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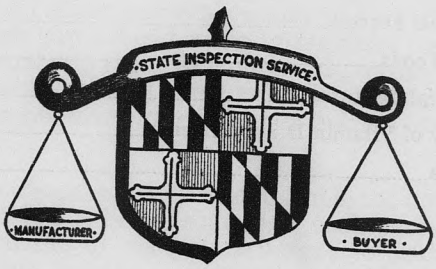
Commercial Fertilizers, Commercial Feeds

and

Agricultural Liming Materials



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INTRODUCTION

This publication contains the results of our chemical examination of official samples of fertilizer, feed, and lime collected by State Inspectors from manufacturers, dealers, selling agents, and in transit in Maryland from January the 1st to July the 1st, 1935. In addition to the chemical analyses, microscopical examinations were made upon all samples of feed, as well as fineness of division tests on certain agricultural liming commodities.

Physiologically Neutral Fertilizers

In recent years agronomists have been studying the acid or alkaline tendencies of fertilizer mixtures in their residual effect upon soil reaction. The increased use of the ammonia forms of nitrogen—sulphate of ammonia, and ammoniated superphosphate among others— in compounding complete fertilizers has increased the potential acidity of the soil, and in certain cases has affected its productivity. To counterbalance this acidity it has been necessary to resort to frequent "liming" in order to restore fertility.

Recently a chemical method was proposed by W. H. Pierre of West Virginia, whereby the relative acidity or basicity of mixed fertilizers and fertilizer materials could be quantitatively determined. This has proved of benefit to fertilizer manufacturers to the extent of enabling them to compound physiologically neutral mixtures by the addition of finely ground limestone or other basic materials. This has also caused the elimination of inert materials as fillers.

In making the calculations to determine the acid-base balance of the fertilizer it has been found that each percent of nitrogen requires 35.7 pounds of calcium carbonate to neutralize the acid formed, and each percent of insoluble phosphoric acid requires 28.2 pounds. Thus if a fertilizer contains 5 per cent of nitrogen and 1 per cent of insoluble phosphoric acid, it will require 206.7 pounds of calcium carbonate to neutralize the acid formed. The acidity or basicity of the fertilizer is therefore the number of pounds of calcium carbonate obtained by titration of the sample plus or minus the number of pounds obtained from the nitrogen and insoluble phosphoric acid content. The final results only are given in this publication, and are the net acid-base balance of the fertilizer expressed in pounds of calcium carbonate per ton. If the result is negative the suffix "A" is written after the numerical value to designate that the balance is acid; if positive, "B" is used to indicate that the balance is basic or alkaline.

Considering this information to be of value to the consumer of fertilizers this Department has incorporated as a part of this publication the results of the relative acidity or basicity of the samples which were collected in the Spring Season of sampling.

Digest of New Lime Law

The 1935 session of the Maryland Legislature enacted a new Agricultural Lime Law in effect June 1, 1935. This law defines "agricultural liming materials" to mean any substances that contain calcium and magnesium in condition and quantity suitable for use in neutralizing soil acidity, or that are used as ingredients or reagents in the preparation of any fungicide or insecticide. The term "gypsum" means products consisting chiefly of calcium sulphate.

Each and every package or bulk shipment of agricultural liming material shall have attached to it or be accompanied by a plainly printed statement giving the following information:

The name and address of the manufacturer;
The name of the place where manufactured;
The brand or trade name of the material;
The name of the form of the material;
The net weight when sold in package form;
The fineness of the material, if in a ground or powdered form, showing the percentage passing the 20, 60 and 100 mesh sieves;
The minimum per cent of calcium and magnesium oxides.

With respect to all burned forms of liming materials, including mixtures of burned and unburned liming materials, a statement of the total maximum per cent contained of oxides of calcium and magnesium which are combined as carbonates.

The word "lime" shall not be placed anywhere on a package containing agricultural liming material which has less than 60 per cent of its total weight in the form of oxides or hydroxides of calcium or magnesium, except in the required statement of minimum analysis or as part of the name of the company manufacturing or selling it.

This Act requires that before any brand of agricultural liming material may be sold the manufacturer must file an affidavit showing the weight of each brand sold by him during the preceding year, and shall pay a license fee according to the weight sold as follows:

For an amount not exceeding 100 tons	$ 5.00
For an amount exceeding 1000 tons and not exceeding 5000 tons	10.00
For an amount exceeding 5000 tons	20.00

However if no sales were made during the preceeding year of any brand to be offered for sale during the year for which the fee is to be paid, he shall pay for each such brand a fee of $5.00

After the required fees have been paid, and other specified regulations have been complied with, license will be issued entitling the manufacturer to sell the material specified in said statements and covered by said fees during the calendar year or part of a year, immediately following said statement.

A copy of this law will be furnished any person requesting same.

FERTILIZER ANALYSIS

A detailed report of the results obtained in the inspection and analysis of fertilizer from January 1, 1935 to July 1, 1935 is contained in pages 6 to 36, inclusive.

When submitting applications for the registration of fertilizers, manufacturers are required to state the percentage of mineral and the percentage of organic nitrogen contained in each product. Each mixed fertilizer is chemically examined for these two forms of nitrogen and reports included herein. The following tolerances or variations from manufacturers' statements have been adopted by this department.

Mixed fertilizers containing two percent of nitrogen or less were allowed a tolerance of one-fourth of one per cent.

Mixed fertilizers containing three per cent of nitrogen a tolerance of one-third of one per cent.

Mixed fertilizers containing four per cent or more of nitrogen, one-half of one per cent.

All mixed goods exceeding these tolerances carrying the statement "Mineral and organic findings do not substantiate manufacturers declaration."

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Acme Guano Co., Baltimore, Md.													
Acme 6-6-5	Vienna	6.00	6.12	4.80	4.32	1.20	1.80	.60	6.00	7.70	5.00	5.98	325A
Acme 5-8-12	Vienna	5.00	4.35	4.00	3.80	1.00	.55	.70	8.00	10.40	12.00	11.48	265A
‡Acme 5-8-12	Vienna	5.00	5.04	4.00	3.76	1.00	1.28	.40	8.00	8.10	12.00	12.40	271A
‡Acme 4-10-7	Baltimore	4.00	3.93	3.20	3.06	.80	.87	.80	10.00	10.20	7.00	7.06	153A
Acme 4-8-7	New Windsor	4.00	4.27	3.20	3.51	.80	.76	.50	8.00	8.70	7.00	7.44	166A
Acme 4-8-7	Vienna	4.00	4.21	3.20	3.58	.80	.63	.40	8.00	9.00	7.00	7.02	131A
‡Acme 4-8-7	Vienna	4.00	4.21	3.20	3.14	.80	1.07	.40	8.00	8.50	7.00	7.06	101A
Acme 4-8-5	Bel Air	4.00	3.99	3.20	3.17	.80	.82	.70	8.00	9.20	5.00	5.86	32A
Acme 4-8-5	Vienna	4.00	4.18	3.20	3.51	.80	.67	.60	8.00	9.30	5.00	5.40	76A
Acme 4-8-5	Vienna	4.00	3.99	3.20	3.02	.80	.97	.40	8.00	8.70	5.00	6.40	264A
‡Acme 3-12-6	Vienna	3.00	3.17	2.40	2.56	.60	.61	1.20	12.00	12.60	6.00	6.36	157A
Acme 3-8-10	Vienna	3.00	2.98	2.40	2.40	.60	.58	.60	8.00	8.80	10.00	10.32	117B
‡Acme 3-8-10	Vienna	3.00	3.14	2.40	2.46	.60	.68	.40	8.00	9.00	10.00	10.40	53A
‡Acme 2-12-4	Vienna	2.00	2.08	1.60	1.74	.40	.34	.80	12.00	12.30	4.00	4.40	83B
Acme 2-9-5	Elkton	2.00	2.05	1.60	1.47	.40	.58	.80	9.00	9.90	5.00	5.00	304B
Acme 2-9-5	New Windsor	2.00	2.19	1.60	1.63	.40	.56	.90	9.00	10.30	5.00	5.59	227B
Acme 2-9-5	Ellicott City	2.00	2.12	1.60	1.54	.40	.58	.50	9.00	9.90	5.00	5.04	20A
Acme 2-8-10	Ellicott City	2.00	2.13	1.60	1.57	.40	.56	.50	8.00	8.60	10.00	10.40	250B
Acme 2-8-10	Vienna	2.00	2.12	1.60	1.43	.40	.69	.50	8.00	8.90	10.00	10.40	210B
‡Acme 2-8-5	Reisterstown	2.00	2.01	1.60	1.90	.40	.11	.70	8.00	10.50	5.00	5.20	58B
Acme 1-10-5	New Windsor	1.00	1.33	.80	.63	.20	.70	.50	10.00	10.80	5.00	6.21	287B
Agricultural Corporation of Md., Baltimore, Md.													
‡Farm Bureau 6-6-5	Baltimore	6.00	5.83	5.25	4.79	.75	1.04	.50	6.00	6.30	5.00	5.32	27A
Farm Bureau 3-12-6	Baltimore	3.00	3.05	2.25	2.25	.75	.80	1.00	12.00	12.60	6.00	6.21	37A
Farm Bureau 3-12-6	Baltimore	3.00	3.20	2.25	2.44	.75	.76	1.00	12.00	12.60	6.00	6.60	42A
‡Farm Bureau 3-12-6	Baltimore	3.00	3.29	2.25	2.58	.75	.71	1.70	12.00	11.10	6.00	6.24	65A
‡Farm Bureau 2-12-4	Baltimore	2.00	2.27	1.25	1.66	.75	.61	.80	12.00	11.70	4.00	4.34	19A
Farm Bureau 2-9-5	Baltimore	2.00	2.08	1.25	1.31	.75	.77	.70	9.00	9.40	5.00	5.04	36B
Farm Bureau 2-9-5	Baltimore	2.00	2.22	1.25	1.46	.75	.76	.80	9.00	9.50	5.00	5.35	28B
‡Farm Bureau 2-9-5	Baltimore	2.00	2.13	1.25	1.35	.75	.78	.90	9.00	9.00	5.00	5.04	29B
‡Farm Bureau 2-8-10	Baltimore	2.00	2.08	1.25	1.32	.75	.76	.50	8.00	8.00	10.00	11.00	64B
‡Farm Bureau 0-12-5	Baltimore							.40	12.00	12.10	5.00	5.40	
‡Farm Bureau 16% Superphosphate	Baltimore							.90	16.00	16.30			
American Agricultural Chemical Co., Baltimore, Md.													

Farm Bureau 2-9-5	Baltimore	2.00	2.22	1.25	1.40	.75	.76	.90	9.00	9.00	5.00	5.04	29B
‡Farm Bureau 2-9-5	Baltimore	2.00	2.13	1.25	1.35	.75	.78	.90	9.00	9.00	5.00	5.04	29B
‡Farm Bureau 2-8-10	Baltimore	2.00	2.08	1.25	1.32	.75	.76	.50	8.00	8.00	10.00	11.00	64B
‡Farm Bureau 0-12-5	Baltimore							.40	12.00	12.10	5.00	5.40	
‡Farm Bureau 16% Superphosphate	Baltimore							.90	16.00	16.30			
American Agricultural Chemical Co., Baltimore, Md.													
Slingluff's 10% Top Dresser-Sulphate 10-5-2	Baltimore	10.00	10.09	9.00	9.10	1.00	.99	.30	5.00	5.70	2.00	2.40	724A
Slingluff's 10% Top Dresser-Sulphate 10-5-2	Baltimore	10.00	10.04	9.00	9.04	1.00	1.00	.30	5.00	5.70	2.00	2.40	782A
‡Slingluff's 10% Top Dresser-Sulphate 10-5-2	Baltimore	10.00	10.55	9.00	9.80	1.00	.75	.30	5.00	5.40	2.00	2.10	782A
AA. Tobacco Plant Bed Fertilizer Sulphate 8-5-2	Baltimore	8.00	8.02	7.20	7.05	.80	.97	.40	5.00	5.30	2.00	2.40	502A
AA. Tobacco Plant Bed Fertilizer-Sulphate 8-5-2	Baltimore	8.00	8.00	7.20	7.14	.80	.86	.40	5.00	5.40	2.00	2.40	567A
AA. Tobacco Bed Fert.-Sulphate 6-6-8	Baltimore	6.00	6.24	5.40	5.05	.60	1.19	.50	6.00	6.70	8.00	8.24	362A
AA. Tobacco Bed Fert.-Sulphate 6-6-8	Baltimore	6.00	6.07	5.40	5.21	.60	.86	.40	6.00	6.90	8.00	8.30	373A
AA. Tobacco Bed Fert.-Sulphate 6-6-8	Baltimore	6.00	6.20	5.40	5.26	.60	.94	.50	6.00	6.50	8.00	8.38	355A
AA. Trucker's Favorite 6-6-5	Baltimore	6.00	6.07	4.50	4.46	1.50	1.61	.70	6.00	6.80	5.00	5.12	267A
AA. Trucker's Favorite 6-6-5	Baltimore	6.00	6.00	4.50	4.45	1.50	1.55	.70	6.00	6.50	5.00	5.32	344A
AA. Trucker's Favorite 6-6-5	Baltimore	6.00	6.04	4.50	4.52	1.50	1.52	.70	6.00	6.50	5.00	5.35	321A
Detrick's Gold Basis Fertilizer 6-6-5	Baltimore	6.00	5.98	4.50	4.52	1.50	1.46	.80	6.00	6.20	5.00	5.28	137A
Detrick's Gold Basis Fertilizer 6-6-5	Baltimore	6.00	6.11	3.60	3.78	2.40	2.33	.70	6.00	6.70	5.00	5.40	158A
Agrico For Truck 5-10-5	Baltimore	6.00	5.98	3.60	3.34	2.40	2.64	.70	6.00	6.40	5.00	5.12	134A
Agrico For Truck 5-10-5	Baltimore	5.00	5.01	3.75	3.93	1.25	1.08	1.10	10.00	10.60	5.00	5.51	210A
Agrico For Truck 5-10-5	Baltimore	5.00	5.15	3.75	4.28	1.25	.87	1.30	10.00	10.40	5.00	5.40	151A
Agrico For Tobacco-Sulphate 5-8-10	Baltimore	5.00	5.11	3.75	3.85	1.25	1.26	1.00	10.00	10.30	5.00	5.35	165A
Agrico For Tobacco-Sulphate 5-8-10	Baltimore	5.00	5.15	3.75	4.35	1.25	.80	2.40	8.00	7.30	10.00	10.40	262A
AA. Pr. George Tob. Fert.-Sulphate 4-8-12	Baltimore	5.00	5.03	3.75	3.96	1.25	1.07	1.50	8.00	8.10	10.00	10.40	162A
AA. Pr. George Tob. Fert.-Sulphate 4-8-12	Baltimore	4.00	3.99	3.00	3.02	1.00	.97	.90	8.00	8.70	12.00	12.00	217A
AA. Red Leaf Tob. Fert.-Sulphate 4-8-10	Baltimore	4.00	4.00	3.00	2.95	1.00	1.05	.90	8.00	8.90	12.00	11.48	238A
AA. Red Leaf Tob. Fert.-Sulphate 4-8-10	Baltimore	4.00	3.90	3.00	2.89	1.00	1.01	1.00	8.00	8.80	10.00	10.24	207A
Agrico For Potatoes 4-8-7	Baltimore	4.00	3.99	3.00	3.32	1.00	.67	1.00	8.00	9.10	10.00	10.52	240A
Agrico For Potatoes 4-8-7	Baltimore	4.00	3.99	3.00	3.29	1.00	.70	1.00	8.00	8.20	7.00	7.38	140A
AA. Gladiator Fertilizer 4-8-7	Baltimore	4.00	4.13	3.00	3.30	1.00	.83	.80	8.00	8.80	7.00	7.37	60A
AA. Golden Leaf Tob. Fert.-Sulphate 4-8-7	Baltimore	4.00	3.99	3.00	3.20	1.00	.79	.80	8.00	8.20	7.00	7.18	115A
AA. Golden Leaf Tob. Fert.-Sulphate 4-8-7	Baltimore	4.00	3.99	3.00	2.98	1.00	1.01	1.00	8.00	8.60	7.00	7.10	210A
AA. Early Trucker Fert. 4-8-5	Baltimore	4.00	4.02	3.00	2.72	1.00	1.30	1.00	8.00	8.70	7.00	7.00	162A
Agrico For Corn 3-12-6	Baltimore	4.00	4.02	3.00	3.09	1.00	.93	1.10	8.00	8.30	5.00	5.35	235A
Agrico For Corn 3-12-6	Baltimore	3.00	2.98	2.25	2.15	.75	.83	1.60	12.00	12.40	6.00	6.32	121A
Agrico For Tomatoes 3-12-6	Baltimore	3.00	2.98	2.25	2.19	.75	.79	.60	12.00	12.30	6.00	6.25	73A
	Baltimore	3.00	3.10	2.25	2.43	.75	.67	.70	12.00	12.60	6.00	6.05	109B

‡ Not Licensed at time of Sale.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
American Agricultural Chemical Co., Baltimore, Md. (Cont.)													
Agrico For Tomatoes 3-12-6	Baltimore	3.00	**3.06**	2.25	**2.20**	.75	**.86**	**.60**	12.00	**12.70**	6.00	**6.17**	**36A**
AA. Climax Fertilizer 3-12-6	Baltimore	3.00	**3.03**	2.25	**2.27**	.75	**.76**	**.90**	12.00	**12.80**	6.00	**6.40**	**203A**
AA. Climax Fertilizer 3-12-6	Baltimore	3.00	**3.03**	2.25	**2.18**	.75	**.85**	**.80**	12.00	**12.60**	6.00	**6.24**	**178A**
Agrico For Sweet Potatoes 3-8-10	Baltimore	3.00	**2.98**	2.25	**2.27**	.75	**.71**	**.80**	8.00	**8.00**	10.00	**10.40**	**129A**
Agrico For Sweet Potatoes 3-8-10	Baltimore	3.00	**2.98**	2.25	**2.22**	.75	**.76**	**.70**	8.00	**8.30**	10.00	**10.40**	**136A**
AA. Special Tomato Fertilizer 3-8-10	Salisbury	3.00	**2.98**	2.25	**2.29**	.75	**.69**	**.90**	8.00	**8.40**	10.00	**10.42**	**161A**
AA. Special Tomato Fertilizer 3-8-10	Salisbury	3.00	**3.02**	2.25	**2.30**	.75	**.72**	**.90**	8.00	**9.00**	10.00	**10.16**	**98A**
AA. Farmers Friend Fertilizer 2-12-4	Baltimore	2.00	**2.01**	1.50	**1.38**	.50	**.63**	**1.10**	12.00	**12.40**	4.00	**4.40**	**93A**
Agrico For Grain 2-12-4	Baltimore	2.00	**2.06**	1.50	**1.32**	.50	**.74**	**1.00**	12.00	**12.40**	4.00	**4.40**	**22A**
AA. Kangaroo Komplete Kompound 2-10-4	Baltimore	2.00	**2.20**	1.50	**1.50**	.50	**.70**	**.90**	10.00	**10.80**	4.00	**4.26**	**134A**
AA. Red Dog Fertilizer 2-9-5	Baltimore	2.00	**2.01**	1.50	**1.33**	.50	**.68**	**1.10**	9.00	**10.10**	5.00	**5.04**	**103A**
AA. Red Dog Fertilizer 2-9-5	Baltimore	2.00	**2.16**	1.50	**1.52**	.50	**.64**	**.80**	9.00	**9.00**	5.00	**5.28**	**60A**
AA. Red Dog Fertilizer 2-9-5	Baltimore	2.00	**2.01**	1.50	**1.43**	.50	**.58**	**1.10**	9.00	**9.20**	5.00	**5.20**	**98A**
Listers Harvest Queen Fert. 2-9-5	Baltimore	2.00	**2.02**	1.50	**1.43**	.50	**.59**	**1.20**	9.00	**9.50**	5.00	**5.00**	**76A**
AA. Old Hickory Fert. 2-8-10	Baltimore	2.00	**2.01**	1.50	**1.43**	.50	**.58**	**.90**	8.00	**8.30**	10.00	**10.62**	**103A**
AA. Old Hickory Fert. 2-8-10	Baltimore	2.00	**2.01**	1.50	**1.50**	.50	**.51**	**.60**	8.00	**8.40**	10.00	**10.16**	**89A**
AA. Silk Leaf Tob. Fert.-Sulphate 2-8-10	Baltimore	2.00	**1.99**	1.50	**1.35**	.50	**.64**	**.70**	8.00	**9.00**	10.00	**10.40**	**111A**
AA. Silk Leaf Tob. Fert.-Sulphate 2-8-10	Baltimore	2.00	**2.01**	1.50	**1.43**	.50	**.58**	**.60**	8.00	**8.80**	10.00	**10.40**	**99A**
AA. Acme Fertilizer 1-10-5	Baltimore	1.00	**1.12**	.75	**.70**	.25	**.42**	**.90**	10.00	**10.10**	5.00	**5.32**	**10B**
AA. Victory Mixture 0-12-5	Taneytown	.....	.....	.....	.....	.....	.....	**1.40**	12.00	**13.30**	5.00	**5.42**	.....
AA. Victory Mixture 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**1.20**	12.00	**12.90**	5.00	**5.28**	.....
AA. Victory Mixture 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**1.20**	12.00	**13.10**	5.00	**5.12**	.....
AA. Victory Mixture 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	**1.20**	12.00	**12.40**	5.00	**5.00**	.....
AA. 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**1.30**	16.00	**16.10**	.....	.....	.....
AA. 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**1.10**	16.00	**16.60**	.....	.....	.....
AA. Basic Lime Phosphate 13%	Baltimore	.....	.....	.....	.....	.....	.....	**.80**	13.00	**13.60**	.....	.....	.....
AA. Sulphate of Ammonia 20.50%	Baltimore	20.50	**20.56**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
AA. Kainit 14%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	**15.40**	.....
Muriate of Potash 48%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	**48.10**	.....
Sulphate of Potash 48%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	**50.00**	.....
AA. Pure Raw Bone 3.70-T. P. A. 20	Baltimore	3.70	**4.07**	.....	.....	.....	.....	.....	*20.00	*22.60	.....	.....	.....
AA. Fine Ground Bone 2.47-T. P. A. 23	Baltimore	2.47	**2.70**	.....	.....	.....	.....	.....	*23.00	*24.30	.....	.....	.....
Pulverized Sheep and Goat Manure 1.25-T. P. A. 1-2	Baltimore	1.25	**1.70**	.....	.....	.....	.....	.....	*1.00	*1.20	2.00	**2.96**	.....
AA. Pulverized Sheep and Goat Manure, 1.25 T. P. A. 1-2	Baltimore	1.25	**1.61**	.....	.....	.....	.....	.....	*1.00	*1.40	2.00	**2.84**	.....

AA. Pure Raw Bone 3.70-T. P. A. 20	Baltimore	3.70	4.07						*20.00	*22.60				
AA. Fine Ground Bone 2.47-T. P. A. 23	Baltimore	2.47	2.70						23.00	24.30				
Pulverized Sheep and Goat Manure 1.25-T. P. A. 1-2	Baltimore	1.25	1.70						*1.00	*1.20	2.00	2.96		
AA. Pulverized Sheep and Goat Manure, 1.25 T. P. A. 1-2	Baltimore	1.25	1.61						*1.00	*1.40	2.00	3.84		
American Cyanamid Co., New York, N. Y.														
Aero Cyanamid	Baltimore	22.00	22.52											
American Soda Products Co., Moorestown, N. J.														
‡Grogreen Fern Food	Baltimore	3.00	4.31	1.80	2.16	1.20	2.15	1.50	8.00	10.30	3.00	2.72		
Armour Fertilizer Works, Baltimore, Md.														
Armour's Special Top Dresser	Clinton	8.00	7.73	7.20	7.12	.80	.61	.40	5.00	5.00	2.00	2.17	63B	
Armour's Special Top Dresser	Baltimore	8.00	8.06	7.20	6.76	.80	1.30	.30	5.00	5.10	2.00	2.28	13B	
Armour's Special Top Dresser	Baltimore	8.00	8.00	7.20	6.90	.80	1.10	.30	5.00	5.00	2.00	2.36	75B	
Big Crop 6-6-5 Fertilizer	Baltimore	6.00	8.05	7.20	6.86	.80	1.19	.20	5.00	5.20	2.00	2.17	42B	
†Big Crop 6-6-5 Fertilizer	Baltimore	6.00	5.98	3.60	3.17	2.40	2.81	.40	6.00	6.10	5.00	5.31	10B	
Big Crop 6-6-5 Fertilizer	Baltimore	6.00	5.41	3.60	2.95	2.40	2.46	.70	6.00	6.50	5.00	5.04	17B	
Big Crop 5-10-5 Fertilizer	Baltimore	6.00	5.71	3.60	3.19	2.40	2.52	.30	6.00	6.30	5.00	5.28	28B	
Big Crop 5-10-5 Fertilizer	Baltimore	5.00	5.10	3.75	3.56	1.25	1.54	.50	10.00	10.30	5.00	5.82	24B	
‡Big Crop 5-8-12 Fertilizer	Baltimore	5.00	5.42	3.75	3.74	1.25	1.68	.50	10.00	10.00	5.00	5.04	27A	
Big Crop 4-12-4 Fertilizer	Baltimore	5.00	5.00	3.75	3.42	1.25	1.58	.40	8.00	8.20	12.00	12.98	10A	
Armour's Special Tobacco Grower	Baltimore	4.00	3.99	3.00	2.79	1.00	1.20	.60	12.00	12.70	4.00	4.04	51B	
Big Crop 4-8-10 Fertilizer	Baltimore	4.00	3.88	3.00	2.67	1.00	1.21	.30	8.00	8.30	12.00	12.26	72B	
†Big Crop 4-8-10 Fertilizer	Baltimore	4.00	3.99	3.00	2.58	1.00	1.41	.40	8.00	8.40	10.00	10.90	13A	
Big Crop 4-8-10 Fertilizer	Baltimore	4.00	4.02	3.00	1.91	1.00	2.11	.40	8.00	8.10	10.00	11.80	55B	
Big Crop 4-8-10 Fertilizer	Blatimore	4.00	4.10	3.00	2.72	1.00	1.38	.60	8.00	8.20	10.00	10.86	13A	
Big Crop 4-8-7 Fertilizer	Baltimore	4.00	4.10	3.00	3.05	1.00	1.05	.50	8.00	8.30	10.00	10.40	5A	
Big Crop 4-8-7 Fertilizer	Baltimore	4.00	4.10	3.00	2.65	1.00	1.45	.40	8.00	8.10	7.00	7.18	23B	
Armour's Special Tobacco Grower	Baltimore	4.00	4.02	3.00	2.67	1.00	1.35	.40	8.00	8.10	7.00	7.40	65B	
Big Crop 4-8-5 Fertilizer	Baltimore	4.00	4.03	3.00	2.69	1.00	1.34	.40	8.00	8.50	7.00	7.00	25B	
Big Crop 4-8-5 Fertilizer	Baltimore	4.00	4.10	2.40	2.21	1.60	1.89	.40	8.00	8.20	5.00	5.20	53B	
Big Crop 4-8-5 Fertilizer	Baltimore	4.00	4.09	2.40	2.26	1.60	1.83	.50	8.00	8.00	5.00	5.00	30B	
Big Crop 4-8-5 Fertilizer	Baltimore	4.00	4.04	2.40	2.30	1.60	1.74	.50	8.00	8.00	5.00	5.00	42B	
Big Crop 4-8-5 Fertilizer	Baltimore	4.00	4.21	2.40	2.39	1.60	1.82	.40	8.00	8.00	5.00	5.12	49B	
†Big Crop 3-12-6 Fertilizer	Baltimore	4.00	3.99	2.40	2.24	1.60	1.75	.30	8.00	8.00	5.00	5.12	67B	
Big Crop 3-12-6 Fertilizer	Baltimore	3.00	3.05	2.25	1.87	.75	1.18	.40	12.00	12.50	6.00	6.44	50A	
Big Crop 3-8-10 Fertilizer	Baltimore	3.00	3.02	2.25	1.92	.75	1.10	.60	12.00	11.80	6.00	6.33	15B	
†Big Crop 3-8-10 Fertilizer	Baltimore	3.00	3.14	2.25	2.01	.75	1.13	.50	8.00	8.40	10.00	10.00	6A	
‡†Armour's Big Crop 3-8-8 Fertilizer	Easton	3.00	3.03	2.25	1.83	.75	1.20	.50	8.00	8.10	10.00	10.32	28B	
Big Crop 2-12-6 Fertilizer	Baltimore	3.00	3.06	2.25	1.88	.75	1.18	.40	8.00	8.50	8.00	8.24	20B	
		2.00	1.98	1.50	1.49	.50	.49	.60	12.00	12.50	6.00	6.13	12B	

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Armour Fertilizer Works, Baltimore, Md. (Cont.)													
Big Crop 2-12-4 Fertilizer	Baltimore	2.00	**2.11**	1.50	**1.29**	.50	**.82**	**.60**	12.00	**12.60**	4.00	**4.40**	**22A**
Big Crop 2-9-5 Fertilizer	Baltimore	2.00	**2.13**	1.50	**1.43**	.50	**.70**	**.50**	9.00	**9.20**	5.00	**5.16**	**20B**
Big Crop 2-9-5 Fertilizer	Baltimore	2.00	**2.05**	1.50	**1.38**	.50	**.67**	**.40**	9.00	**9.00**	5.00	**5.16**	**26B**
Big Crop 2-9-5 Fertilizer	Baltimore	2.00	**2.09**	1.50	**1.38**	.50	**.71**	**.30**	9.00	**9.00**	5.00	**5.40**	**9A**
Big Crop 2-8-10 Fertilizer	Baltimore	2.00	**2.04**	1.50	**1.36**	.50	**.68**	**.40**	8.00	**8.00**	10.00	**11.10**	**46B**
Big Crop 2-8-10 Fertilizer	Baltimore	2.00	**2.04**	1.50	**1.26**	.50	**.78**	**.40**	8.00	**8.40**	10.00	**10.70**	**16B**
Big Crop 2-8-10 Fertilizer	Baltimore	2.00	**2.08**	1.50	**1.29**	.50	**.79**	**.40**	8.00	**8.00**	10.00	**10.16**	**80B**
Armour's Special Tobacco Grower	Baltimore	2.00	**2.19**	1.50	**1.29**	.50	**.90**	**.30**	8.00	**8.20**	10.00	**10.76**	**33B**
Armour's Royal Fish Mixture	Baltimore	1.00	**1.22**	.60	**.59**	.40	**.63**	**.50**	10.00	**10.60**	5.00	**5.08**	**22B**
Big Crop 0-12-5 Fertilizer	Baltimore	.....	.....	.....	.....	.....	.....	**.20**	12.00	**12.60**	5.00	**5.00**	.....
‡Armour's Big Crop 0-10-10 Fertilizer	Easton	.....	.....	.....	.....	.....	.....	**.30**	10.00	**11.60**	10.00	**8.04**	.....
Big Crop 20% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.50**	20.00	**20.10**	.....	.....	.....
Big Crop 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.30**	16.00	**16.80**	.....	.....	.....
Big Crop 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.80**	16.00	**16.10**	.....	.....	.....
Big Crop Lime Phosphate 16%	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	16.00	**16.30**	.....	.....	.....
Sulphate of Ammonia	Baltimore	20.50	**20.50**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raw Bone Meal	Baltimore	3.70	**4.17**	.....	.....	.....	.....	.....	*20.00	***21.50**	.....	.....	.....
Bone Meal	Baltimore	2.47	**2.56**	.....	.....	.....	.....	.....	*23.00	***25.40**	.....	.....	.....
‡Pure Ground Fish 9%	Preston	9.00	**9.07**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheep and Goat Manure	Baltimore	1.25	**1.26**	.....	.....	.....	.....	.....	*1.00	***2.60**	2.00	**2.84**	.....
Associated Chemical Co., Baltimore, Md.													
"Associated" Sulphate of Ammonia	Baltimore	20.56	**20.54**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
"Associated" Sulphate of Ammonia	Hagerstown	20.56	**20.60**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Associated Muriate of Potash 48%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	**48.90**	.....
Associated Muriate of Potash 48%	Hagerstown	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	**48.10**	.....
Associated High-Grade Kainit 20%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**21.22**	.....
Associated High-Grade Kainit 20%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**20.32**	.....
Associated High-Grade Kainit 20%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**20.00**	.....
"Associated" Kainit 14%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	**14.40**	.....
Associated Dried Fish Scrap	Hagerstown	9.00	**9.31**	.....	.....	.....	.....	.....	*5.50	***5.55**	.....	.....	.....
‡Animal Tankage	Baltimore	7.00	**6.99**	.....	.....	.....	.....	.....	*4.50	***11.70**	.....	.....	.....
"Associated" Pure Raw Bone	Baltimore	3.70	**3.89**	.....	.....	.....	.....	.....	*20.00	*20.80	.....	.....	.....
"Associated" Fine Bone Meal	Baltimore	2.47	**2.13**	.....	.....	.....	.....	.....	*23.00	***26.70**	.....	.....	.....
‡Associated Sheep and Goat Manure	Baltimore	1.25	**1.90**	.....	.....	.....	.....	.....	*1.00	***1.60**	2.00	**3.04**	.....

"Associated" Kainit 14%	Baltimore										14.00	14.40		
Associated Dried Fish Scrap	Hagerstown	9.00	9.31						*5.50	*5.55				
Animal Tankage	Baltimore	7.00	6.99						*4.50	*11.70				
"Associated" Pure Raw Bone	Baltimore	3.70	3.89						*20.00	*20.80				
"Associated" Fine Bone Meal	Baltimore	2.47	2.13						*23.00	*26.70				
‡Associated Sheep and Goat Manure	Baltimore	1.25	1.90						*1.00	*1.60	2.00	3.04		
Baltimore Fertilizer Co., Baltimore, Md.														
†Honest Tobacco Bed Guano	Baltimore	8.00	7.98	7.25	6.60	.75	1.38	.60	5.00	5.30	2.00	2.13	507A	
Honest Tobacco Bed Guano	Baltimore	8.00	8.00	7.25	6.82	.75	1.18	.60	5.00	5.10	2.00	2.32	593A	
‡Honest Tobacco Bed Guano	La Plata	8.00	8.29	7.25	7.15	.75	1.14	.70	5.00	5.60	2.00	2.40	636A	
Honest 4-8-10 Sulphate of Potash	Baltimore	4.00	4.00	3.40	3.20	.60	.80	.30	8.00	8.80	10.00	10.40	192A	
Honest 4-8-10 Sulphate of Potash	Baltimore	4.00	4.04	3.40	3.20	.60	.84	.30	8.00	8.80	10.00	10.00	143A	
‡Honest 4-8-10 Sulphate of Potash	Baltimore	4.00	3.98	3.40	3.24	.60	.74	.70	8.00	7.80	10.00	12.26	15B	
Honest 4-8-7	Baltimore	4.00	4.13	3.40	3.03	.60	.90	.30	8.00	8.90	7.00	7.10	113A	
Honest 4-8-7	Fallston	4.00	4.21	3.40	3.59	.60	.62	.50	8.00	8.50	7.00	7.86	295A	
Honest 4-8-7	Bel Air	4.00	4.28	3.40	3.54	.60	.74	.40	8.00	8.50	7.00	7.22	324A	
‡†Honest 4-8-7 Sulphate of Potash	Baltimore	4.00	3.88	3.40	2.17	.60	1.71	.70	8.00	8.20	7.00	9.32	69A	
Honest 4-8-7 Sulphate of Potash	Baltimore	4.00	3.85	3.40	3.26	.60	.59	.50	8.00	8.60	7.00	7.40	29B	
Honest 4-8-5	Glyndon	4.00	3.90	3.40	2.91	.60	.99	.20	8.00	8.10	5.00	5.40	235A	
†Honest 4-8-5	Bel Air	4.00	3.54	3.40	2.72	.60	.82	.40	8.00	9.50	5.00	5.90	207A	
Honest 4-8-5	Bel Air	4.00	4.42	3.40	3.73	.60	.69	.40	8.00	8.30	5.00	5.94	339A	
Honest 4-8-5	Glyndon	4.00	3.99	3.40	3.05	.60	.94	.30	8.00	8.00	5.00	5.62	81A	
Honest 2-9-5	Bel Air	2.00	2.34	1.40	1.76	.60	.58	.30	9.00	9.00	5.00	5.78	33A	
Honest 2-9-5	Glyndon	2.00	2.01	1.40	1.35	.60	.66	.20	9.00	9.40	5.00	6.05	8A	
Honest 2-9-5	Bel Air	2.00	2.15	1.40	1.60	.60	.55	.60	9.00	9.00	5.00	6.02	44A	
Honest 2-9-5	Glyndon	2.00	2.01	1.40	1.47	.60	.54	.30	9.00	9.10	5.00	6.05	79B	
Honest 2-8-10	Glyndon	2.00	2.05	1.40	1.36	.60	.69	.40	8.00	8.00	10.00	10.44	106B	
Honest 2-8-10	Bel Air	2.00	2.26	1.40	1.52	.60	.74	.40	8.00	8.80	10.00	10.40	172A	
Honest 2-8-10	Bel Air	2.00	2.27	1.40	1.60	.60	.67	.30	8.00	9.00	10.00	9.48	30A	
‡Honest 2-8-10 Sulphate of Potash	Baltimore	2.00	1.94	1.40	1.19	.60	.75	.80	8.00	8.10	10.00	10.86	8B	
Honest 1-10-5	Baltimore	1.00	1.26	.40	.62	.60	.64	.50	10.00	10.30	5.00	5.40	161B	
Honest 1-10-5	Glyndon	1.00	1.05	.40	.48	.60	.57	.40	10.00	10.60	5.00	5.74	172B	
Barrett Co., New York, N. Y.														
Arcadian The American Nitrate of Soda	Centreville	16.00	16.06											
W. J. Barton & Son, Centreville, Md.														
‡"MBW" N. J. Tomato Grower	Baltimore	3.00	3.02	2.25	1.92	.75	1.10	.70	8.00	8.00	10.00	11.06	22B	
‡"MBW" Fruit Special	Baltimore	2.00	2.39	1.25	1.47	.75	.92	.70	9.00	9.60	5.00	5.04	165B	
Baugh & Sons Co., Baltimore, Md.														
†Baugh's Top Dresser 10-5-2	Baltimore	10.00	9.89	8.50	6.60	1.50	3.29	1.70	5.00	6.30	2.00	2.32	708A	
‡†Baugh's Top Dresser 10-5-2	Baltimore	10.00	9.66	8.50	6.66	1.50	3.00	1.80	5.00	6.50	2.00	2.24	647A	
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	8.03	6.80	6.81	1.20	1.22	.40	5.00	5.00	2.00	2.24	193A	

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Baugh & Sons Co., Baltimore, Md. (Cont.)													
‡Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	8.18	6.80	6.63	1.20	1.55	.30	5.00	5.30	2.00	2.34	176A
Baugh's Plant Bed Fertilizer 8-5-2	Baltimore	8.00	7.98	6.80	6.80	1.20	1.18	.30	5.00	5.30	2.00	2.56	114A
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	6.14	5.10	4.94	.90	1.20	.40	6.00	6.20	8.00	8.40	180A
‡Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	5.98	5.10	4.91	.90	1.07	.40	6.00	6.30	8.00	8.40	25A
†Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	5.88	5.10	4.59	.90	1.29	.30	6.00	6.10	8.00	8.16	49B
Baugh's Plant Bed Fertilizer 6-6-8	Baltimore	6.00	5.88	5.10	4.61	.90	1.27	.30	6.00	6.40	8.00	8.30	99A
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	6.19	3.60	4.13	2.40	2.06	.40	6.00	6.70	5.00	5.28	2A
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	6.01	3.60	3.76	2.40	2.25	.40	6.00	6.90	5.00	5.04	24B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	5.98	3.60	3.68	2.40	2.30	.30	6.00	6.70	5.00	5.20	147B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	6.08	3.60	3.80	2.40	2.28	.40	6.00	6.40	5.00	5.40	148B
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	6.11	3.60	3.62	2.40	2.49	.50	6.00	6.50	5.00	5.35	32A
Baugh's Original Potato Guano 6-6-5	Baltimore	6.00	5.98	3.60	3.68	2.40	2.30	.50	6.00	6.40	5.00	5.12	37B
‡†Baugh's Complete Pasture Fert. 6-6-5	Cardiff	6.00	5.87	5.40	4.52	.60	1.35	.70	6.00	6.80	5.00	5.12	259A
Baugh's Truckers Favorite 5-10-5	Baltimore	5.00	4.87	4.20	3.83	.80	1.04	.30	10.00	11.20	5.00	5.04	163A
Baugh's Balanced Plant Food 4-12-4	Baltimore	4.00	4.16	3.20	3.29	.80	.87	.90	12.00	13.20	4.00	4.34	214A
‡Baugh's 4-8-12	Baltimore	4.00	4.02	3.20	3.26	.80	.76	.70	8.00	8.00	12.00	12.34	1B
‡Baugh's 4-8-12 for Tobacco	Baltimore	4.00	4.02	3.20	3.17	.80	.85	.70	8.00	8.40	12.00	12.00	304A
‡Baugh's 4-8-10 for Tobacco	Baltimore	4.00	4.04	3.20	3.26	.80	.78	1.10	8.00	8.70	10.00	11.18	285A
Baugh's Half Century Perf. Brand 4-8-7	Baltimore	4.00	4.02	3.20	3.38	.80	.64	.60	8.00	8.50	7.00	7.00	59B
Baugh's Half Century Perf. Brand 4-8-7	Baltimore	4.00	3.99	3.20	3.08	.80	.91	.40	8.00	8.90	7.00	7.00	37B
Baugh's Half Century Perfection Brand	Baltimore	4.00	4.03	3.20	3.14	.80	.89	.50	8.00	8.60	7.00	7.29	8A
Baugh's Half Century Perfection Brand	Baltimore	4.00	4.00	3.20	3.17	.80	.83	.50	8.00	8.60	7.00	7.10	17A
Baugh's Half Century Perfection Brand	Baltimore	4.00	4.04	3.20	3.27	.80	.77	.50	8.00	8.50	7.00	7.31	12B
Baugh's Half Century Perfection Brand	Baltimore	4.00	4.06	3.20	3.33	.80	.73	.60	8.00	8.40	7.00	7.00	7A
Baugh's Half Century Perfection Brand	Baltimore	4.00	4.04	3.20	3.14	.80	.90	.50	8.00	8.30	7.00	7.00	7B
Baugh's 4-8-7 for Tobacco	Baltimore	4.00	4.07	3.20	3.34	.80	.73	1.10	8.00	8.50	7.00	7.00	326A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.13	3.20	3.14	.80	.99	.60	8.00	8.20	5.00	5.40	24A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.00	3.20	3.16	.80	.84	.50	8.00	8.60	5.00	5.42	27A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	3.99	3.20	3.17	.80	.82	.50	8.00	8.30	5.00	5.28	84B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.03	3.20	3.09	.80	.94	.40	8.00	8.60	5.00	5.35	25B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.00	3.20	3.10	.80	.90	.40	8.00	8.60	5.00	5.28	34A
Baugh's Peruvian Guano Substiture 4-8-5	Baltimore	4.00	4.04	3.20	3.09	.80	.95	.50	8.00	8.40	5.00	5.40	2B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.07	3.20	3.09	.80	.98	.60	8.00	8.60	5.00	5.55	3B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.11	3.20	3.26	.80	.85	.50	8.00	8.20	5.00	5.32	16A
‡Baugh's 4-8-5 for Tobacco	Baltimore	4.00	4.14	3.20	3.19	.80	.95	.70	8.00	8.90	5.00	5.20	308A
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	2.84	1.80	1.60	1.20	1.24	1.20	12.00	12.70	6.00	6.00	1A

Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.03	3.20	3.09	.80	.94	.40	8.00	8.40	5.00	5.28	34A
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.00	3.20	3.10	.80	.90	.40	8.00	8.60	5.00	5.28	34A
Baugh's Peruvian Guano Substiture 4-8-5	Baltimore	4.00	4.04	3.20	3.09	.80	.95	.50	8.00	8.40	5.00	5.40	2B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.07	3.20	3.09	.80	.98	.60	8.00	8.60	5.00	5.55	3B
Baugh's Peruvian Guano Substitute 4-8-5	Baltimore	4.00	4.11	3.20	3.26	.80	.85	.50	8.00	8.20	5.00	5.32	16A
‡Baugh's 4-8-5 for Tobacco	Baltimore	4.00	4.14	3.20	3.19	.80	.95	.70	8.00	8.90	5.00	5.20	308A
Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	2.84	1.80	1.60	1.20	1.24	1.20	12.00	12.70	6.00	5.74	75A
†Baugh's High Grade Fish Brand 3-12-6	Baltimore	3.00	2.89	1.80	1.45	1.20	1.44	1.30	12.00	12.40	6.00	6.79	30A
Baugh's Three Quarter Century Perfection Brand 3-12-6	Baltimore	3.00	3.10	2.25	2.25	.75	.85	1.00	12.00	11.90	6.00	6.44	69A
Baugh's Animal Base & Pot. Com. 3-8-10	Baltimore	3.00	3.00	2.25	2.20	.75	.80	.90	8.00	8.20	10.00	10.40	8B
Baugh's Animal Base & Pot. Com. 3-8-10	Baltimore	3.00	3.02	2.25	2.15	.75	.87	.80	8.00	8.70	10.00	10.56	11A
‡Baugh's Tomato Com. with Fish 3-8-10	Denton	3.00	2.82	2.10	2.04	.90	.78	.60	8.00	8.40	10.00	10.32	42B
Baugh's Tomato Com. with Fish 3-8-10	Baltimore	3.00	3.02	2.10	2.13	.90	.89	.80	8.00	8.50	10.00	10.24	21A
Baugh's Sweet Potato Guano 3-8-8	Baltimore	3.00	3.03	2.10	2.22	.90	.81	.50	8.00	8.60	8.00	8.16	8B
Baugh's Double Eagle Phosphate 2-12-4	Baltimore	2.00	2.01	1.40	1.18	.60	.83	1.00	12.00	12.60	4.00	4.12	10A
Baugh's Double Eagle Phosphate 2-12-4	Baltimore	2.00	2.01	1.40	1.26	.60	.75	1.00	12.00	12.30	4.00	4.40	40A
Baugh's Commercial Crop Comp. 2-8-10	Baltimore	2.00	2.11	1.40	1.35	.60	.76	.80	8.00	8.00	10.00	10.40	12B
Baugh's Commercial Crop Comp. 2-8-10	Baltimore	2.00	2.02	1.40	1.19	.60	.83	.60	8.00	8.40	10.00	10.44	21B
Baugh's Commercial Crop Comp. 2-8-10	Baltimore	2.00	2.05	1.40	1.26	.60	.79	.80	8.00	8.60	10.00	10.24	54B
‡Baugh's 2-8-10 for Tobacco	Baltimore	2.00	2.04	1.40	1.38	.60	.66	.70	8.00	8.40	10.00	10.40	13A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	2.01	1.50	1.36	.50	.65	1.30	8.00	9.00	10.00	9.62	79A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	2.01	1.40	1.19	.60	.82	.80	9.00	9.40	5.00	5.28	85B
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	2.08	1.40	1.29	.60	.79	1.20	9.00	9.70	5.00	5.51	28A
Baugh's Complete Animal Base Fert. 2-9-5	Baltimore	2.00	2.19	1.40	1.43	.60	.76	.80	9.00	9.10	5.00	5.38	84B
Baugh's Special Potato Manure 2-9-5	Cumberland	2.00	2.19	1.40	1.40	.60	.79	.80	9.00	9.00	5.00	5.08	19B
Baugh's Special Potato Manure 2-9-5	Baltimore	2.00	2.05	1.40	1.32	.60	.73	.80	9.00	9.50	5.00	5.12	94B
Baugh's Excelsior Mixture 1-10-5	Cumberland	2.00	2.06	1.40	1.35	.60	.71	.60	9.00	9.40	5.00	5.20	9B
Baugh's Excelsior Mixture 1-10-5	Baltimore	1.00	1.15	.70	.74	.30	.41	.80	10.00	10.50	5.00	5.42	16B
Baugh's Phosphate & Potash Mix. 0-10-10	Baltimore	1.00	1.32	.70	.80	.30	.52	1.10	10.00	10.30	5.00	5.56	28A
Baughphos The Ideal 20% Superphos.	Baltimore							.30	10.00	10.60	10.00	10.40	
Baughphos The Ideal 18% Superphos.	Baltimore							.50	20.00	20.60			
Baughphos The Ideal 16% Superphos.	Cumberland							.40	18.00	21.10			
Baughphos The Ideal 16% Superphos.	Baltimore							1.00	16.00	16.50			
Baughphos The Ideal 16% Superphos.	Baltimore							.90	16.00	16.80			
Baugh's Lime and Phosphate	Baltimore							.70	16.00	16.40			
Baugh's Lime and Phosphate	Baltimore							1.90	16.00	16.20			
Sulphate of Ammonia	Cumberland	20.57	20.78					1.50	16.00	16.00			
‡Sulphate of Ammonia	Baltimore	20.57	20.60										
Muriate of Potash	Baltimore										48.00	51.60	
‡Muriate of Potash	Baltimore										48.00	49.30	
‡Genuine Imported Kainit	Baltimore										14.00	16.16	
Baugh's Pure Steamed Bone Meal	Baltimore	2.47	2.53						*23.00	*27.70			
Baugh's Raw Bone Meal	Cumberland	3.70	4.00						*21.50	*22.00			

† Mineral and Organic Findings do not substantiate manufacturers declaration. ‡ Not Licensed at time of sale. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Baugh & Sons Co., Baltimore, Md. (Cont.)													
Baugh's Raw Bone Meal	Baltimore	3.70	**4.00**						*21.50	*21.90			
Baugh's Raw Bone Meal	Baltimore	3.70	**3.75**						*21.50	*22.30			
Domestic Sheep Manure	Cumberland	2.00	**1.99**						*1.00	***1.50**	1.00	**2.42**	
F. W. Bolgiano & Co., Washington, D. C.													
†Gold Tag Fertilizer 8-5-2		8.00	**7.78**	7.20	**6.30**	.80	**1.48**	.40	5.00	**5.70**	2.00	**2.40**	269A
Gold Tag Fertilizer 6-6-5		6.00	**6.11**	3.60	**3.37**	2.40	**2.74**	**1.10**	6.00	**7.00**	5.00	**5.74**	89A
Gold Tag Fertilizer 4-8-5		4.00	**4.21**	3.00	**2.68**	1.00	**1.53**	.70	8.00	**8.30**	5.00	**5.90**	20B
Gold Tag Fertilizer 2-9-5		2.00	**2.11**	1.50	**1.40**	.50	**.71**	.40	9.00	**9.40**	5.00	**6.32**	164B
Gold Tag Fertilizer 2-8-10		2.00	**2.19**	1.50	**1.31**	.50	**.88**	.30	8.00	**8.20**	10.00	**10.00**	103B
Gold Tag Raw Bone Meal		3.70	**3.86**						*21.50	***21.50**			
Gold Tag Steamed Bone Meal		2.47	**3.31**						*23.00	***22.50**			
Gold Tag 16% Superphosphate								.90	16.00	**16.20**			
Herbert Bryant, Inc., Alexandria, Va.													
Six-Six-Five	Norbeck	6.00	**6.08**	4.80	**4.52**	1.20	**1.56**	.30	6.00	**6.80**	5.00	**5.28**	456A
Four-Eight-Five	Silver Spring	4.00	**4.13**	3.00	**2.70**	1.00	**1.43**	.50	8.00	**9.20**	5.00	**5.59**	223A
Four-Eight-Five	Norbeck	4.00	**4.07**	3.00	**2.75**	1.00	**1.32**	.50	8.00	**9.30**	5.00	**5.63**	249A
Two-Nine-Five	Wash. Grove	2.00	**1.99**	1.00	**.87**	1.00	**1.12**	.70	9.00	**8.60**	5.00	**5.00**	36A
High Grade Superphosphate 16%	Wash. Grove							.20	16.00	**16.70**			
Sulphate of Ammonia	Silver Spring	20.56	**20.60**										
Pure Animal Bone Meal	Silver Spring	3.70	**3.79**						a *20.60	***21.90**			
Steam Bone Meal	Silver Spring	2.47	**2.77**						*22.88	***24.00**			
Pulverized Sheep Manure	Silver Spring	1.85	**1.66**						*1.00	***1.10**	2.00	**2.36**	
Central Chemical Co., Inc., Baltimore, Md.													
†Gro-All Top Dresser 6-6-5	Baltimore	6.00	**5.76**	5.25	**4.64**	.75	**1.12**	.40	6.00	**6.40**	5.00	**5.20**	67A
Gro-All Potato Special 4-8-7	Frederick	4.00	**4.00**	3.25	**3.61**	.75	**.39**	.60	8.00	**8.50**	7.00	**7.40**	150A
†Gro-All Potato Special 4-8-7	Baltimore	4.00	**3.89**	3.25	**3.68**	.75	**.21**	.50	8.00	**8.10**	7.00	**7.29**	27B
Gro-All Potato Special 4-8-7	Frederick	4.00	**4.04**	3.25	**3.68**	.75	**.36**	.70	8.00	**8.50**	7.00	**8.24**	144A
Gro-All Potato Special 4-8-7	Baltimore	4.00	**3.99**	3.25	**3.13**	.75	**.86**	.60	8.00	**8.00**	7.00	**7.06**	11B
Gro-All Truckers Delight 4-8-5	Frederick	4.00	**3.86**	3.25	**3.37**	.75	**.49**	.70	8.00	**8.60**	5.00	**5.40**	42A
†Gro-All Super-Fish Brand 2-12-6	Baltimore	2.00	**2.05**	.50	**.84**	1.50	**1.21**	**1.00**	12.00	**12.30**	6.00	**8.08**	49B
Gro-All Grain Food 2-12-4	Baltimore	2.00	**2.06**	1.25	**1.32**	.75	**.74**	**1.30**	12.00	**12.20**	4.00	**4.12**	1A
†Gro-All Excelsior 2-9-5	Frederick	2.00	**2.20**	1.25	**1.71**	.75	**.49**	.40	9.00	**9.60**	5.00	**5.98**	30A
Gro-All Excelsior 2-9-5	Baltimore	2.00	**1.97**	1.25	**1.24**	.75	**.73**	.90	9.00	**9.50**	5.00	**5.35**	45B

Gro-All Potato Special 4-8-7	Baltimore	4.00	3.99	3.25	3.13	.75	.86	.60	8.00	8.00	7.00	7.06	11B
Gro-All Truckers Delight 4-8-5	Frederick	4.00	3.86	3.25	3.37	.75	.49	.70	8.00	8.60	5.00	5.40	42A
†Gro-All Super-Fish Brand 2-12-6	Baltimore	2.00	2.05	.50	.84	1.50	1.21	1.00	12.00	12.30	6.00	8.08	49B
Gro-All Grain Food 2-12-4	Baltimore	2.00	2.06	1.25	1.32	.75	.74	1.30	12.00	12.20	4.00	4.12	1A
†Gro-All Excelsior 2-9-5	Frederick	2.00	2.20	1.25	1.71	.75	.49	.40	9.00	9.60	5.00	5.98	30A
Gro-All Excelsior 2-9-5	Baltimore	2.00	1.97	1.25	1.24	.75	.73	.90	9.00	9.50	5.00	5.35	45B
†Gro-All Excelsior 2-9-5	Frederick	2.00	2.19	1.25	1.77	.75	.42	.20	9.00	9.70	5.00	5.12	16B
Gro-All Imperial 2-8-10	Baltimore	2.00	2.02	1.25	1.19	.75	.83	.90	8.00	8.30	10.00	10.40	17A
Gro-All Crown Jewel 1-10-5	Baltimore	1.00	1.19	.25	.46	.75	.73	.70	10.00	10.10	5.00	5.40	98B
†Gro-All Crown Jewel 1-10-5	Hancock	1.00	1.17	.25	.70	.75	.47	.70	10.00	10.80	5.00	5.12	98B
Gro-All Potash Special 0-12-5	Baltimore							.50	12.00	12.80	5.00	5.28	
‡Gro-All Dissolved Phosphate 20%	Frederick							.90	20.00	20.00			
Gro-All Dissolved Phosphate 16%	Hagerstown							.90	16.00	16.10			
Gro-All Dissolved Phosphate 16%	College Park							1.20	16.00	16.30			
Gro-All Dissolved Phosphate 16%	Beltsville							1.00	16.00	16.50			
Chewsville Cooperative Association, Chewsville, Md.													
Superior Fruit and Vegetable 6-6-5	Chewsville	6.00	6.00	5.00	4.68	1.00	1.32	.70	6.00	6.40	5.00	5.67	276B
Perfection 4-8-7	Chewsville	4.00	4.00	2.50	2.70	1.50	1.30	.80	8.00	9.30	7.00	8.00	64B
Perfection 4-8-7	Chewsville	4.00	3.99	2.50	2.69	1.50	1.30	.50	8.00	9.10	7.00	7.18	56A
Crop Producer 3-12-6	Chewsville	3.00	3.12	2.00	2.39	1.00	.73	1.00	12.00	13.00	6.00	6.00	139A
Crop Producer 3-12-6	Chewsville	3.00	3.13	2.00	1.88	1.00	1.25	1.00	12.00	12.60	6.00	6.21	80A
Golden Harvest 2-9-5	Chewsville	2.00	2.39	1.00	1.19	1.00	1.20	.60	9.00	11.20	5.00	5.67	12A
Golden Harvest 2-9-5	Chewsville	2.00	2.43	1.00	1.15	1.00	1.28	1.00	9.00	9.70	5.00	5.59	95B
Phosphate and Potash 0-12-5	Chewsville							.80	12.00	15.50	5.00	5.28	
Phosphate and Potash 0-12-5	Chewsville							.60	12.00	16.40	5.00	4.89	
Superphosphate 16%	Chewsville							.30	16.00	20.40			
Superphosphate 16%	Chewsville							1.00	16.00	16.40			
Chilean Nitrate Sales Corp., New York, N. Y.													
Champion Brand Chilean Nitrate of Soda	Hagerstown	16.00	16.30										
Champion Brand Chilean Nitrate of Soda	Baltimore	16.00	16.14										
Standard Chilean Nitrate of Soda	Baltimore	15.25	15.32										
Davison Chemical Co., Baltimore, Md.													
Davison Superphosphate 20%	Baltimore							1.00	20.00	20.10			
Davison Superphosphate 20%	Denton							.90	20.00	21.30			
Davison Superphosphate 16%	Baltimore							1.20	16.00	17.40			
Davison Superphosphate 16%	Baltimore							.80	16.00	16.50			
Devilbiss Bros., New Windsor, Md.													
Butcher House 2-9-5	New Windsor	2.00	2.32	1.60	2.02	.40	.30	1.00	9.00	9.60	5.00	5.91	11A
Butcher House 2-9-5	New Windsor	2.00	2.04	1.60	1.77	.40	.27	1.30	9.00	9.80	5.00	5.98	70B
Wheat Grower 1-10-5	New Windsor	1.00	1.39	.80	1.07	.20	.32	1.20	10.00	10.70	5.00	6.33	67B
Wheat Grower 1-10-5	New Windsor	1.00	1.21	.80	.91	.20	.30	1.40	10.00	10.10	5.00	5.42	87B

* Total Phosphoric Acid. a Guarantee on sack differs from license. † Mineral and Organic Findings do not substantiate manufacturers declaration.
‡ Not Licensed at time of sale.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Devilbiss Bros., New Windsor, Md. (Cont.)													
16% Super Phosphate	New Windsor	.....	.....	.....	.....	.....	.....	1.00	16.00	19.30	.....	.....	.....
Dorchester Fertilizer Co., Cambridge, Md.													
Dorco Champion	Cambridge	6.00	5.98	5.40	5.09	.60	.89	.20	6.00	7.00	5.00	5.40	310A
Dorco Champion	Cambridge	6.00	5.62	5.40	5.17	.60	.45	.30	6.00	6.80	5.00	5.28	360A
Dorco Jewel	Cambridge	5.00	5.19	3.50	3.59	1.50	1.60	1.20	8.00	8.10	12.00	12.18	219A
†Dorco Jewel	Cambridge	5.00	4.89	3.50	4.10	1.50	.79	.30	8.00	8.60	12.00	13.20	296A
†Dorco Regal	Vienna	4.00	4.00	3.20	3.78	.80	.22	.70	8.00	8.20	7.00	7.22	263A
†Dorco Regal	Cambridge	4.00	4.02	3.20	3.73	.80	.29	.50	8.00	8.20	7.00	6.75	228A
Dorco Regal	Cambridge	4.00	4.07	3.20	3.62	.80	.45	.50	8.00	8.70	7.00	7.80	99A
Trucker	Cambridge	4.00	4.14	3.85	3.90	.15	.24	.40	8.00	8.40	5.00	5.20	229A
Trucker	Cambridge	4.00	4.02	3.85	3.86	.15	.16	.50	8.00	9.00	5.00	5.20	248A
Dorco Royal	Cambridge	3.00	3.06	2.50	2.49	.50	.57	.50	8.00	9.20	10.00	10.32	17B
Dorco Royal	Cambridge	3.00	3.02	2.50	2.74	.50	.28	.80	8.00	8.50	10.00	10.68	11A
Dorco Royal	Cambridge	3.00	3.05	2.50	2.63	.50	.42	.50	8.00	8.50	10.00	10.78	7B
Choice	Cambridge	3.00	2.98	2.85	2.91	.15	.07	.30	8.00	8.80	8.00	8.76	55A
Choice	Cambridge	3.00	3.10	2.85	2.92	.15	.18	.30	8.00	9.20	8.00	8.42	90A
Producer	Cambridge	2.00	2.02	1.90	1.87	.10	.15	.70	9.00	9.00	5.00	5.32	8B
Producer	Cambridge	2.00	2.01	1.90	1.88	.10	.13	.60	9.00	9.20	5.00	5.35	21B
Favorite	Cambridge	2.00	2.24	1.80	1.97	.20	.27	.40	8.00	8.10	10.00	10.40	141A
Favorite	Cambridge	2.00	2.23	1.80	1.92	.20	.31	.70	8.00	8.20	10.00	10.40	80B
Favorite	Vienna	2.00	1.92	1.80	1.72	.20	.20	.40	8.00	8.30	10.00	10.42	90A
Standard	Cambridge	.....	.....	.....	.....	.....	.....	.80	10.00	11.00	10.00	10.00	.....
Standard	Cambridge	.....	.....	.....	.....	.....	.....	.40	10.00	10.50	10.00	10.86	.....
16% Superphosphate	Cambridge	.....	.....	.....	.....	.....	.....	.40	16.00	18.20	.....	.....	.....
‡Bone Meal	Cambridge	3.70	2.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eastern & Western Fertilizer Co., Baltimore, Md.													
Crab Chum Fertilizer 4-8-5	Baltimore	4.00	4.06	.....	.....	.....	.....	.50	8.00	9.10	5.00	5.78	.....
Crab Chum Fertilizer 3.20-T.P.A.3.90-5	Baltimore	3.20	2.67	.....	.....	.....	.....	.....	*3.90	*3.40	5.00	4.81	.....
Edelen Bros., Baltimore, Md.													
†Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.41	9.00	7.76	1.00	1.65	.70	5.00	5.50	2.00	2.36	726A
Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.76	9.00	8.80	1.00	.96	.60	5.00	5.20	2.00	2.40	755A
Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.76	9.00	8.75	1.00	1.01	.80	5.00	5.50	2.00	2.32	671A

Crab Chum Fertilizer 3.20-1.P.A.3.90-5	Baltimore	3.20	2.67										

Edelen Bros., Baltimore, Md.													
†Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.41	9.00	7.76	1.00	1.65	.70	5.00	5.50	2.00	2.36	726A
Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.76	9.00	8.80	1.00	.96	.60	5.00	5.20	2.00	2.40	755A
Edelen's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.76	9.00	8.75	1.00	1.01	.80	5.00	5.50	2.00	2.32	671A
Edelen's H. G. Tobacco	Baltimore	4.00	3.75	3.25	2.98	.75	.77	.80	8.00	8.30	12.00	12.26	57A
Edelen's H. G. Tobacco	Baltimore	4.00	3.99	3.25	3.06	.75	.93	.90	8.00	8.20	12.00	12.00	47A
Edelen's H. G. Tobacco	Baltimore	4.00	3.79	3.25	3.23	.75	.56	.50	8.00	8.60	12.00	12.00	79A
Edelen's H. G. Tobacco	Baltimore	4.00	4.03	3.25	3.29	.75	.74	.40	8.00	8.60	12.00	13.20	255A
Edelen's Red Tobacco	Baltimore	3.00	3.14	2.25	2.27	.75	.87	.70	8.00	8.00	10.00	10.00	12A
Edelen's Red Tobacco	Baltimore	3.00	2.95	2.25	2.18	.75	.77	.90	8.00	7.80	10.00	10.86	70B
Edelen's Red Tobacco	Baltimore	3.00	3.14	2.25	2.34	.75	.80	.30	8.00	8.50	10.00	10.08	79B
Edelen's Wheat and Grain Mixture	Baltimore	2.00	2.02	1.25	1.32	.75	.70	.90	9.00	9.50	5.00	5.28	23B
Emporia Elevator & Feeding Co., Emporia, Kan.													
‡"Big Sheep" Brand Sheep Manure	Baltimore	2.00	2.02						*1.00	*1.80	2.00	3.18	
‡Cattle Manure	Baltimore	1.85	2.08						*.75	*1.70	1.75	2.48	
Farmers Cooperative Association, Inc., Frederick, Md.													
Spring Special	Frederick	4.00	4.13	3.60	3.30	.40	.83	.50	8.00	8.90	7.00	7.00	138A
†Sure Crop	Frederick	2.00	1.80	1.60	1.08	.40	.72	.60	12.00	12.80	6.00	7.14	41A
†Wheat and Grass Special	Frederick	2.00	1.85	1.40	.90	.60	.95	.60	9.00	9.40	5.00	5.98	57B
Rock and Potash Special	Frederick							2.30	12.00	12.60	5.00	5.12	
Superphosphate	Frederick							1.00	16.00	16.10			
Superphosphate	Frederick							1.00	16.00	15.40			
Farmers Fertilizer & Feed Co., Westminster, Md.													
Truckers Delight	Westminster	4.00	4.02	3.50	3.11	.50	.91	.30	8.00	8.70	7.00	7.40	173A
Truckers Delight	Westminster	4.00	3.90	3.50	3.03	.50	.87	.40	8.00	8.60	7.00	7.45	110A
Hi-Grade	Westminster	2.00	2.18	1.40	1.57	.60	.61	.90	9.00	9.70	5.00	6.48	37B
Hi-Grade	Westminster	2.00	2.11	1.40	1.46	.60	.65	1.00	9.00	10.00	5.00	5.24	13A
Farmers Potash Special	Westminster	2.00	2.25	1.40	1.40	.60	.85	1.00	8.00	8.10	10.00	10.00	62B
Farmers Favorite	Westminster	1.00	1.15	.50	.62	.50	.53	1.10	10.00	11.30	5.00	5.52	68B
Farmers Favorite	Westminster	1.00	1.21	.50	.62	.50	.59	1.00	10.00	10.80	5.00	5.35	159B
Superphosphate and Potash	Westminster							1.40	12.00	12.50	5.00	5.32	
Superphosphate and Potash	Westminster							1.30	12.00	12.30	5.00	5.46	
Superphosphate	Westminster							1.50	16.00	16.40			
Farmers & Planters Co., Salisbury, Md.													
†Special High Grade	Salisbury	6.00	6.01	4.50	3.87	1.50	2.14	.30	6.00	6.00	5.00	5.67	129A
†Special High Grade	Pocomoke City	6.00	5.98	4.50	3.59	1.50	2.39	.20	6.00	6.20	5.00	5.67	140A
Early Vegetable	Pocomoke City	4.00	4.89	2.80	3.51	1.20	1.38	.50	8.00	8.30	5.00	5.20	164A
Early Vegetable	Salisbury	4.00	4.70	2.80	3.43	1.20	1.27	.20	8.00	8.60	5.00	5.28	84A
XX Potash Mixture	Pocomoke City	3.00	3.03	2.10	2.16	.90	.87	.90	8.00	9.30	10.00	10.40	33A

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Farmers & Planters Co., Salisbury, Md. (Con t.)													
XX Potash Mixture	Pocomoke City	3.00	**3.06**	2.10	**2.29**	.90	**.77**	**.60**	8.00	**8.30**	10.00	**10.40**	**24B**
Fish Brand	Pocomoke City	2.00	**2.16**	1.40	**1.52**	.60	**.64**	**.50**	9.00	**9.30**	5.00	**5.74**	**269B**
Fish Brand	Pocomoke City	2.00	**2.02**	1.40	**1.36**	.60	**.66**	**.40**	9.00	**9.50**	5.00	**5.82**	**337B**
Fish Brand	Salisbury	2.00	**2.02**	1.40	**1.33**	.60	**.69**	**.30**	9.00	**9.40**	5.00	**5.74**	**229B**
Sweet Potato Special	Pocomoke City	2.00	**2.06**	1.40	**1.56**	.60	**.50**	**.50**	8.00	**8.10**	10.00	**10.40**	**212B**
Corn Grower	Salisbury	1.00	**1.22**	.70	**.81**	.30	**.41**	**1.00**	10.00	**10.20**	5.00	**5.40**	**168B**
Special Potash Mixture	Salisbury	.....	.....	.....	.....	.....	.....	**1.10**	12.00	**12.00**	5.00	**5.40**	.....
F. & P. Superphosphate	Salisbury	.....	.....	.....	.....	.....	.....	**.30**	16.00	**18.30**	.....	.....	.....
John E. Fitzpatrick, Dundalk, Md.													
Fitzpatrick's Fish Brand	Dundalk	4.00	**3.85**	4.00	**3.64**	0.00	**.21**	**1.90**	8.00	**7.80**	5.00	**6.36**	**93A**
Griffith & Boyd Co., Baltimore, Md.													
High Grade Truck Guano	Baltimore	4.00	**4.14**	3.20	**3.12**	.80	**1.02**	**.40**	8.00	**8.30**	7.00	**7.29**	**181A**
High Grade Truck Guano	Mt. Lake Park	4.00	**4.09**	3.20	**3.12**	.80	**.97**	**.30**	8.00	**8.50**	7.00	**7.37**	**315A**
High Grade Truck Guano	Baltimore	4.00	**4.07**	3.20	**3.05**	.80	**1.02**	**.20**	8.00	**8.50**	7.00	**7.22**	**371A**
Truckers Special	Baltimore	4.00	**4.18**	3.20	**3.26**	.80	**.92**	**.20**	8.00	**8.80**	5.00	**5.28**	**275A**
Truckers Special	Mt. Lake Park	4.00	**3.98**	3.20	**2.98**	.80	**1.00**	**.20**	8.00	**8.80**	5.00	**5.20**	**260A**
Truckers Special	Baltimore	4.00	**4.07**	3.20	**3.17**	.80	**.90**	**.40**	8.00	**8.40**	5.00	**5.20**	**296A**
Special Potato Fertilizer	Baltimore	3.00	**3.00**	2.40	**2.44**	.60	**.56**	**.20**	8.00	**8.30**	8.00	**8.32**	**193A**
Special Potato Fertilizer	Baltimore	3.00	**3.16**	2.40	**2.39**	.60	**.77**	**.30**	8.00	**8.60**	8.00	**8.38**	**202A**
Special Potato Fertilizer	Baltimore	3.00	**3.06**	2.40	**2.47**	.60	**.59**	**.60**	8.00	**8.20**	8.00	**8.38**	**216A**
Reliable Crop Grower	Mt. Lake Park	2.00	**2.16**	1.40	**1.49**	.60	**.67**	**.30**	12.00	**12.10**	4.00	**4.26**	**66A**
Special Guano	Rising Sun	2.00	**2.18**	1.40	**1.33**	.60	**.85**	**.40**	9.00	**9.50**	5.00	**5.74**	**89A**
Special Guano	Baltimore	2.00	**2.01**	1.40	**1.21**	.60	**.80**	**.50**	9.00	**9.10**	5.00	**5.40**	**26A**
Special Guano	Mt. Lake Park	2.00	**2.01**	1.40	**1.40**	.60	**.61**	**.30**	9.00	**9.60**	5.00	**5.28**	**81A**
Special Guano	Baltimore	2.00	**2.06**	1.40	**1.38**	.60	**.68**	**.30**	9.00	**9.60**	5.00	**5.20**	**73A**
†Special Guano	Baltimore	2.00	**2.16**	1.40	**1.26**	.60	**.90**	**.30**	9.00	**9.50**	5.00	**5.28**	**66A**
Gilt Edge Crop Guano	Rising Sun	2.00	**2.06**	1.40	**1.43**	.60	**.63**	**.60**	8.00	**8.30**	10.00	**10.08**	**71A**
Gilt Edge Crop Guano	Baltimore	2.00	**2.13**	1.40	**1.35**	.60	**.78**	**.60**	8.00	**8.30**	10.00	**10.40**	**113A**
‡20% Superphosphate	Mt. Lake Park	.....	.....	.....	.....	.....	.....	**.70**	20.00	**21.30**	.....	.....	.....
High Grade 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**17.00**	.....	.....	.....
High Grade 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.70**	16.00	**17.00**	.....	.....	.....
Pure Fine Ground Bone Meal	Baltimore	3.70	**3.88**	.....	.....	.....	.....	.....	*20.00	***23.90**	.....	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	**20.24**	.....

‡20% Superphosphate	Mt. Lake Park							.70	20.00	21.30			
High Grade 16% Superphosphate	Baltimore							1.00	16.00	17.00			
High Grade 16% Superphosphate	Baltimore							.70	16.00	17.00			
Pure Fine Ground Bone Meal	Baltimore	3.70	3.88						*20.00	*23.90			
Kainit	Baltimore										20.00	20.24	
Griffith & Turner Co., Baltimore, Md.													
G. & T. Co's Grass Fertilizer	Baltimore	9.00	9.15	7.20	7.62	1.80	1.53	.30	5.00	5.60	2.00	2.00	781A
G. & T. Co's Garden Fertilizer	Baltimore	4.00	4.38	3.20	3.30	.80	1.08	.20	8.00	8.70	7.00	7.18	337A
G. & T. Co's Soft Ground Bone	Baltimore	3.00	3.12						*14.00	*15.80			
Hampstead Fertilizer Co., Hampstead, Md.													
†Hampstead's 4-8-7	Hampstead	4.00	3.59	3.25	2.72	.75	.87	.70	8.00	8.80	7.00	7.22	198A
†Hampstead's 4-8-7	Hampstead	4.00	3.68	3.25	2.64	.75	1.04	.60	8.00	9.50	7.00	7.31	68A
Hampstead's 2-9-5	Hampstead	2.00	2.15	1.40	1.61	.60	.54	.50	9.00	9.50	5.00	5.76	29B
Hampstead's 2-9-5	Hampstead	2.00	2.01	1.40	1.41	.60	.60	.40	9.00	9.50	5.00	5.82	37B
‡Hampstead's 2-8-10	Hampstead	2.00	2.05	1.50	1.54	.50	.51	.50	8.00	8.50	10.00	10.86	67A
Hampstead's 1-10-5	Hampstead	1.00	1.11	.50	.65	.50	.46	.80	10.00	10.70	5.00	5.42	88B
Hampstead's 1-10-5	Hampstead	1.00	1.10	.50	.51	.50	.59	.60	10.00	10.50	5.00	5.20	94B
Hampstead's 16% Superphosphate	Hampstead							.90	16.00	15.40			
Dr. Heinz Co., Cincinnati, Ohio													
Heinz Odorless Bone Meal	Baltimore	1.00	.70						*29.00	*35.50			
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Plant Food	Baltimore	5.00	5.20					.50	8.00	11.10	6.00	6.36	110A
Hoffman's Bone Meal	Baltimore	3.70	4.18						*20.00	*22.10			
Hoffman's Cow Manure	Baltimore	2.00	1.85						*2.00	*2.00	2.00	2.28	
Hoffman's Sheep Manure	Baltimore	1.85	1.85						*1.00	*1.40	2.00	2.84	
Horsey, Roe & Co., Greensboro, Md.													
Trucker's Pride 4-8-7	Greensboro	4.00	4.02	3.00	2.74	1.00	1.28	.30	8.00	8.60	7.00	7.68	113A
Trucker's Pride 4-8-7	Greensboro	4.00	4.21	3.00	3.29	1.00	.92	.30	8.00	8.50	7.00	7.10	79A
4-8-5	Greensboro	4.00	4.31	3.20	3.23	.80	1.08	.20	8.00	8.20	5.00	5.35	80A
Tomato 3-8-10	Greensboro	3.00	3.00	2.00	2.02	1.00	.98	.20	8.00	8.10	10.00	10.40	27B
Tomato 3-8-10	Greensboro	3.00	3.29	2.00	2.11	1.00	1.18	.20	8.00	8.10	10.00	11.02	57B
"Suregro"	Greensboro	2.00	2.02	1.40	1.36	.60	.66	.30	9.00	9.50	5.00	6.44	111A
Hubbard Fertilizer Co., Baltimore, Md.													
†Hubbard Potato 4-8-7	Baltimore	4.00	3.62	3.50	2.88	.50	.74	.70	8.00	8.30	7.00	6.68	49A
‡Hubbard Potato 4-8-7	Denton	4.00	3.90	3.50	3.03	.50	.87	.80	8.00	8.80	7.00	7.14	42A
Hubbard Money Maker 2-9-5	Denton	2.00	2.18	1.50	1.43	.50	.75	.60	9.00	10.10	5.00	5.24	5A
Hubbard Money Maker 2-9-5	Baltimore	2.00	2.06	1.50	1.38	.50	.68	.70	9.00	9.40	5.00	5.16	6B
‡Hubbard Jersey Trucker 2-8-10	Baltimore	2.00	2.11	1.50	1.32	.50	.79	.50	8.00	8.60	10.00	10.24	111B

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Hubbard Fertilizer Co., Baltimore, Md. (Cont.)													
Hubbard Jersey Trucker 2-8-10	Denton	2.00	2.05	1.50	1.38	.50	.67	.50	8.00	8.60	10.00	10.40	3B
Huston, Culver & Co., Inc., Seaford, Del.													
†Huston, Culver & Co's 6%	Federalsburg	6.00	5.98	5.00	3.96	1.00	2.02	.40	6.00	8.50	5.00	5.04	185A
Huston, Culver & Co's Special	Federalsburg	4.00	4.42	3.00	3.54	1.00	.88	.30	8.00	10.10	7.00	7.60	217A
†Trucker	Federalsburg	4.00	4.46	3.00	4.35	1.00	.11	.30	8.00	9.50	5.00	5.82	228A
Trucker	Princess Anne	4.00	4.23	3.00	3.44	1.00	.79	.20	8.00	9.00	5.00	7.22	27A
Sweet Potato Mixture	Federalsburg	3.00	2.67	2.00	1.86	1.00	.81	.30	8.00	11.10	10.00	10.86	94A
†Crop Grower	Federalsburg	2.00	2.19	1.50	1.97	.50	.22	.20	9.00	8.40	5.00	7.60	16B
Sussex Special	Federalsburg	2.00	3.33	1.50	2.63	.50	.70	.30	8.00	9.40	10.00	10.92	128A
Huston's Special	Federalsburg	1.00	2.19	.50	1.83	.50	.36	.20	10.00	10.10	5.00	6.44	64A
Double Potash Mixture	Federalsburg	.....	.....	.....	.....	.....	.....	.60	12.00	11.50	5.00	6.48	.....
Superphosphate	Federalsburg	.....	.....	.....	.....	.....	.....	.20	16.00	18.80	.....	.....	.....
‡Kainit	Federalsburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.00	21.32	.....
Maryland Milling & Supply Co., Sykesville, Md.													
Our Potato Guano	Sykesville	6.00	6.00	5.50	5.41	.50	.59	.20	6.00	7.00	5.00	6.09	570A
Forthman's Special	Sykesville	5.00	5.00	4.75	4.41	.25	.59	.50	10.00	10.70	5.00	5.12	473A
1935 Crop Mixture	Sykesville	2.00	2.12	1.75	1.76	.25	.36	.50	12.00	13.60	4.00	4.54	10B
Newman's Favorite	Sykesville	2.00	2.13	1.50	1.49	.50	.64	.20	9.00	10.30	5.00	6.21	132A
Dietrich's Favorite	Sykesville	1.00	1.24	.75	.93	.25	.31	.40	10.00	10.00	5.00	6.40	75B
High Grade Superphosphate	Sykesville	.....	.....	.....	.....	.....	.....	.30	16.00	16.80	.....	.....	.....
Massey & Wilmer, Chestertown, Md.													
Tom, Jr.	Chestertown	4.00	3.99	3.00	2.98	1.00	1.01	1.10	8.00	8.90	5.00	6.40	83A
3-8-10	Millington	3.00	3.02	2.00	2.26	1.00	.76	.90	8.00	8.00	10.00	10.00	33A
†Trustworthy	Chestertown	2.00	2.01	1.00	1.45	1.00	.56	.50	9.00	9.00	5.00	5.59	84B
†Trustworthy	Chestertown	2.00	2.01	1.00	1.33	1.00	.68	1.00	9.00	9.90	5.00	5.04	30B
†Propagator	Chestertown	2.00	1.99	1.00	1.26	1.00	.73	.50	8.00	9.10	10.00	9.40	5A
Propagator	Chestertown	2.00	1.77	1.00	1.02	1.00	.75	1.00	8.00	8.90	10.00	10.08	9B
Crop Producer	Chestertown	1.00	1.02	.80	.76	.20	.26	.70	10.00	10.30	5.00	6.29	104B
Crop Producer	Chestertown	1.00	1.22	.80	.76	.20	.46	.50	10.00	10.80	5.00	5.40	133B
0-12-5	Chestertown	.....	.....	.....	.....	.....	.....	1.10	12.00	12.10	5.00	5.00	.....
Super-Phosphate	Chestertown	.....	.....	.....	.....	.....	.....	.50	16.00	18.50	.....	.....	.....

Propagator	Chestertown	2.00	1.77	1.00	1.02	1.00	.75	1.00	8.00	8.50	10.00	10.00	
Crop Producer	Chestertown	1.00	1.02	.80	.76	.20	.26	.70	10.00	10.30	5.00	6.29	104B
Crop Producer	Chestertown	1.00	1.22	.80	.76	.20	.46	.50	10.00	10.80	5.00	5.40	133B
0-12-5	Chestertown							1.10	12.00	12.10	5.00	5.00	
Super-Phosphate	Chestertown							.50	16.00	18.50			
Master Meat Products Co., Detroit, Mich.													
Master Bone Meal	Baltimore	4.00	4.07						*25.00	*23.60			
Medford Fertilizer Works, Medford, Md.													
2-9-5	Medford	2.00	2.02	1.50	1.43	.50	.59	.60	9.00	10.20	5.00	5.86	129A
1-10-5	Medford	1.00	.93	.75	.58	.25	.35	.20	10.00	12.40	5.00	5.98	29A
0-12-5	Medford							.80	12.00	12.10	5.00	5.35	
Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Early Truck Guano	Keymar	4.00	4.00	3.50	3.39	.50	.61	.60	8.00	8.60	7.00	7.25	200A
Early Truck Guano	Taneytown	4.00	4.00	3.50	3.40	.50	.60	.90	8.00	8.20	7.00	7.80	278A
Mehring's Indian Chief	Keymar	2.00	2.30	1.60	1.61	.40	.69	1.20	12.00	12.10	6.00	6.50	66A
Mehring's Indian Chief	Keymar	2.00	2.34	1.60	1.63	.40	.71	1.20	12.00	12.00	6.00	6.83	138A
Mehring's Mammouth Truck Grower	Woodsboro	2.00	2.20	1.60	1.78	.40	.42	1.10	9.00	9.00	5.00	6.25	50B
Mehring's Mammouth Truck Grower	Keymar	2.00	2.37	1.60	1.74	.40	.63	.90	9.00	9.00	5.00	6.21	70B
Mehring's Big 4	Woodsboro	1.00	1.05	.60	.53	.40	.52	.80	10.00	10.20	5.00	6.29	130B
Mehring's Big 4	Keymar	1.00	1.02	.60	.55	.40	.47	.60	10.00	10.10	5.00	6.68	137B
Mehring's Big 4	Keymar	1.00	1.33	.60	.67	.40	.66	.90	10.00	10.00	5.00	6.21	138B
Mehring's Potash Mixture	Taneytown							1.20	12.00	12.10	5.00	6.36	
Mehring's Potash Mixture	Keymar							1.20	12.00	12.50	5.00	5.78	
Mehring's 16% Superphosphate	Keymar							1.50	16.00	16.60			
Merchants Milling Co., Hagerstown, Md.													
Potash Material	Middletown										21.00	21.28	
Meyer Seed Co., Baltimore, Md.													
Pure Bone Meal	Baltimore	2.47	2.44						*23.00	*25.00			
Miller Fertilizer Co., Baltimore, Md.													
†Miller Fertilizer 6-6-5	Baltimore	6.00	5.53	5.40	4.59	.60	.94	.60	6.00	6.80	5.00	5.04	34A
†Miller Fertilizer 6-6-5	Baltimore	6.00	5.64	5.40	4.57	.60	1.07	.60	6.00	6.60	5.00	5.40	68A
†Miller Fertilizer 6-6-5	Denton	6.00	5.45	5.40	4.47	.60	.98	.60	6.00	6.80	5.00	5.12	70A
†Miller Fertilizer 6-6-5	Denton	6.00	5.63	5.40	4.77	.60	.86	.40	6.00	6.70	5.00	5.16	12A
†Miller Fertilizer 6-6-5	Baltimore	6.00	5.80	5.40	4.79	.60	1.01	.50	6.00	6.40	5.00	5.24	81A
†Miller Fertilizer 6-6-5	Denton	6.00	5.66	5.40	4.66	.60	1.00	.40	6.00	6.50	5.00	5.12	33A
†Miller Special 6-6-5	Baltimore	6.00	5.15	3.60	3.44	2.40	1.71	1.00	6.00	5.90	5.00	5.67	108B
†Miller Special 6-6-5	Salisbury	6.00	5.19	3.60	3.17	2.40	2.02	.70	6.00	5.70	5.00	5.40	197B
Miller Special 6-6-5	Baltimore	6.00	6.29	3.60	4.10	2.40	2.19	1.60	6.00	6.20	5.00	5.67	15B
Miller Special 6-6-5	Baltimore	6.00	5.69	3.60	3.37	2.40	2.32	.50	6.00	7.80	5.00	5.59	3B

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Miller Fertilizer Co., Baltimore, Md. (Cont.)													
Miller Special 6-6-5	Baltimore	6.00	**5.94**	3.60	**3.56**	2.40	**2.38**	.60	6.00	**6.70**	5.00	**6.16**	49A
Miller Special 6-6-5	Baltimore	6.00	**5.97**	3.60	**3.73**	2.40	**2.24**	.50	6.00	**6.90**	5.00	**5.04**	47A
†Miller Fertilizer 5-10-5	Baltimore	5.00	**4.59**	4.50	**2.78**	.50	**1.81**	.70	10.00	**10.80**	5.00	**5.35**	194A
Miller Fertilizer 5-10-5	Baltimore	5.00	**5.03**	4.50	**4.08**	.50	**.95**	.90	10.00	**10.10**	5.00	**5.35**	25A
Miller Fertilizer 5-8-12	Salisbury	5.00	**5.12**	4.50	**4.37**	.50	**.75**	.60	8.00	**8.80**	12.00	**10.32**	250A
†Miller Fertilizer 5-8-12	Baltimore	5.00	**4.44**	4.50	**3.77**	.50	**.67**	.60	8.00	**9.10**	12.00	**12.00**	206A
Miller Fertilizer 5-8-12	Baltimore	5.00	**4.59**	4.50	**4.45**	.50	**.14**	.50	8.00	**9.00**	12.00	**12.40**	198A
Miller Fertilizer 5-8-12	Baltimore	5.00	**5.05**	4.50	**4.59**	.50	**.46**	.70	8.00	**8.20**	12.00	**12.42**	180A
†Miller Fertilizer 4-12-4	Cambridge	4.00	**3.59**	3.50	**2.72**	.50	**.87**	1.00	12.00	**12.00**	4.00	**4.08**	23B
†Miller Fertilizer 4-12-4	Baltimore	4.00	**3.75**	3.50	**2.76**	.50	**.99**	1.30	12.00	**12.20**	4.00	**4.22**	1A
Miller Fertilizer 4-12-4	Baltimore	4.00	**4.06**	3.50	**3.28**	.50	**.78**	1.30	12.00	**13.40**	4.00	**4.40**	32A
†Miller Fertilizer 4-8-10	Denton	4.00	**3.76**	3.50	**2.86**	.50	**.90**	.70	8.00	**8.60**	10.00	**10.40**	54A
†Miller Fertilizer 4-8-10	Baltimore	4.00	**4.00**	3.50	**2.86**	.50	**1.14**	.80	8.00	**8.40**	10.00	**10.70**	67A
Miller Fertilizer 4-8-10	Baltimore	4.00	**3.99**	3.50	**3.34**	.50	**.65**	.80	8.00	**8.40**	10.00	**11.18**	55A
Miller Fertilizer 4-8-7	Baltimore	4.00	**3.99**	3.50	**3.36**	.50	**.63**	.70	8.00	**7.40**	7.00	**7.10**	28B
Miller Fertilizer 4-8-7	Baltimore	4.00	**3.99**	3.50	**3.09**	.50	**.90**	.80	8.00	**7.60**	7.00	**7.76**	15B
Miller Fertilizer 4-8-7	Baltimore	4.00	**4.09**	3.50	**3.42**	.50	**.67**	.70	8.00	**7.70**	7.00	**7.40**	34B
Miller Fertilizer 4-8-7	Baltimore	4.00	**3.72**	3.50	**3.06**	.50	**.66**	.50	8.00	**9.40**	7.00	**7.00**	7B
†Miller Fertilizer 4-8-7	Denton	4.00	**3.88**	3.50	**2.98**	.50	**.90**	.60	8.00	**8.30**	7.00	**7.26**	24B
Miller Fertilizer 4-8-7	Baltimore	4.00	**4.14**	3.50	**3.40**	.50	**.74**	.60	8.00	**8.40**	7.00	**7.10**	45B
Miller Fertilizer 4-8-7	Baltimore	4.00	**4.00**	3.50	**3.20**	.50	**.80**	.60	8.00	**8.10**	7.00	**7.18**	10A
Miller 4-8-7 for Tobacco	Baltimore	4.00	**4.10**	3.50	**3.14**	.50	**.96**	.50	8.00	**8.40**	7.00	**7.40**	90A
†Miller Fertilizer 4-8-5	Baltimore	4.00	**3.89**	3.50	**2.92**	.50	**.97**	.70	8.00	**7.50**	5.00	**5.24**	46B
†Miller Fertilizer 4-8-5	Baltimore	4.00	**3.99**	3.50	**2.98**	.50	**1.01**	.60	8.00	**8.30**	5.00	**5.40**	21B
Miller Fertilizer 4-8-5	Baltimore	4.00	**3.89**	3.50	**3.04**	.50	**.85**	.70	8.00	**8.30**	5.00	**6.29**	1B
†Miller Fertilizer 4-8-5	Denton	4.00	**3.99**	3.50	**2.99**	.50	**1.00**	.50	8.00	**8.50**	5.00	**5.24**	36A
Miller Fertilizer 4-8-5	Baltimore	4.00	**3.96**	3.50	**3.12**	.50	**.84**	.50	8.00	**8.30**	5.00	**5.00**	15B
Miller Fertilizer 4-8-5	Baltimore	4.00	**4.03**	3.50	**3.12**	.50	**.91**	.60	8.00	**8.10**	5.00	**5.04**	9B
Miller Fertilizer 3-12-6	Baltimore	3.00	**3.14**	2.50	**2.53**	.50	**.61**	1.20	12.00	**12.00**	6.00	**6.40**	36A
Miller Fertilizer 3-12-6	Lineboro	3.00	**3.12**	2.50	**2.34**	.50	**.78**	1.30	12.00	**11.50**	6.00	**6.78**	88A
Miller Fertilizer 3-12-6	Denton	3.00	**3.06**	2.50	**2.47**	.50	**.59**	.20	12.00	**13.00**	6.00	**6.05**	7B
†Miller Fertilizer 3-8-10	Cambridge	3.00	**3.03**	2.50	**2.11**	.50	**.92**	.60	8.00	**8.20**	10.00	**10.60**	5A
†Miller Fertilizer 3-8-10	Linwood	3.00	**3.02**	2.50	**2.13**	.50	**.89**	.70	8.00	**8.40**	10.00	**10.24**	10A
Miller Fertilizer 3-8-10	Baltimore	3.00	**3.03**	2.50	**2.19**	.50	**.84**	.90	8.00	**8.80**	10.00	**10.40**	53A
Miller Fertilizer 3-8-10	Denton	3.00	**3.29**	2.50	**2.27**	.50	**1.02**	.70	8.00	**8.40**	10.00	**10.40**	67A

Miller Fertilizer 3-12-6	Lineboro	3.00	3.12	2.50	2.34	.50	.78	1.30	12.00	11.50	6.00	6.75	8B
Miller Fertilizer 3-12-6	Denton	3.00	3.06	2.50	2.47	.50	.59	.20	12.00	13.00	6.00	6.05	7B
†*Miller Fertilizer 3-8-10*	Cambridge	3.00	3.03	2.50	2.11	.50	.92	.60	8.00	8.20	10.00	10.60	5A
†*Miller Fertilizer 3-8-10*	Linwood	3.00	3.02	2.50	2.13	.50	.89	.70	8.00	8.40	10.00	10.24	10A
Miller Fertilizer 3-8-10	Baltimore	3.00	3.03	2.50	2.19	.50	.84	.90	8.00	8.80	10.00	10.40	53A
Miller Fertilizer 3-8-10	Denton	3.00	3.29	2.50	2.27	.50	1.02	.70	8.00	8.40	10.00	10.40	67A
Miller Fertilizer 3-8-10	Baltimore	3.00	3.10	2.50	2.72	.50	.38	.60	8.00	8.90	10.00	10.40	52B
Miller Fertilizer 3-8-8	Cambridge	3.00	3.31	2.50	2.39	.50	.92	.60	8.00	8.40	8.00	8.68	5A
Miller Fertilizer 3-8-8	Baltimore	3.00	3.17	2.50	2.46	.50	.71	.50	8.00	9.00	8.00	7.40	23B
†Miller Fertilizer 3-8-8	Baltimore	3.00	2.74	2.50	2.04	.50	.70	.80	8.00	9.10	8.00	8.16	11A
†Miller Fertilizer 2-12-4	Baltimore	2.00	1.80	1.50	1.24	.50	.56	.70	12.00	13.20	4.00	3.73	4A
Miller Fertilizer 2-12-4	Baltimore	2.00	1.99	1.50	1.32	.50	.67	1.30	12.00	12.40	4.00	4.12	28A
Miller Fertilizer 2-12-4	Baltimore	2.00	2.13	1.50	1.40	.50	.73	.80	12.00	12.10	4.00	4.40	9A
Miller Fertilizer 2-9-5	Baltimore	2.00	2.16	1.50	1.38	.50	.78	.80	9.00	9.10	5.00	5.32	70B
Miller Fertilizer 2-9-5	Baltimore	2.00	2.02	1.50	1.38	.50	.64	.90	9.00	9.10	5.00	5.32	43B
Miller Fertilizer 2-9-5	Baltimore	2.00	2.18	1.50	1.36	.50	.82	1.00	9.00	9.30	5.00	5.16	44B
Miller Fertilizer 2-9-5	Baltimore	2.00	2.16	1.50	1.49	.50	.67	.50	9.00	10.60	5.00	5.35	9B
Miller Fertilizer 2-9-5	Baltimore	2.00	2.12	1.50	1.59	.50	.53	.90	9.00	9.50	5.00	6.29	89B
Miller Fertilizer 2-8-10	Baltimore	2.00	2.11	1.50	1.33	.50	.78	.60	8.00	8.10	10.00	10.40	43B
Miller Fertilizer 2-8-10	Baltimore	2.00	2.09	1.50	1.38	.50	.71	.60	8.00	8.80	10.00	10.24	8B
Miller Fertilizer 2-8-10	Baltimore	2.00	2.20	1.50	1.47	.50	.73	.80	8.00	10.00	10.00	10.40	68B
Miller Fertilizer 2-8-10	Denton	2.00	2.02	1.50	1.33	.50	.69	.40	8.00	8.70	10.00	10.40	13A
†Miller Fertilizer 2-8-10	Baltimore	2.00	1.92	1.50	1.19	.50	.73	.60	8.00	8.00	10.00	11.18	75B
Miller Fertilizer 1-10-5	Baltimore	1.00	1.49	.50	.90	.50	.59	.60	10.00	10.00	5.00	5.24	129B
Miller Fertilizer 1-10-5	Cambridge	1.00	1.22	.50	.42	.50	.80	.50	10.00	10.50	5.00	5.40	102B
Miller Fertilizer 1-10-5	Linwood	1.00	1.50	.50	.80	.50	.70	.50	10.00	10.30	5.00	5.74	142B
Miller Fertilizer 0-12-5	Baltimore							.60	12.00	12.00	5.00	5.40	
Miller Fertilizer 0-10-10	Baltimore							.70	10.00	9.40	10.00	11.64	
Miller Fertilizer 0-10-10	Baltimore							.60	10.00	10.40	10.00	10.40	
Miller 16% Superphosphate	Baltimore							.70	16.00	17.10			
Miller Lime and Phosphate 16%	Baltimore							.70	16.00	16.00			
Mount Airy Canning Co., Preston, Md.													
†Special Pea and Truck Fertilizer	Mt. Airy	5.00	5.24	2.94	2.41	2.24	2.83	1.50	10.00	10.70	5.00	5.76	39A
"High Grade Fish Brand" Fertilizer	Mt. Airy	5.00	5.38	2.93	2.73	2.24	2.65	1.60	10.00	10.70	5.00	5.40	67A
†3-12-6 Fertilizer	Mt. Airy	3.00	3.13	1.76	.80	1.36	2.33	1.80	12.00	12.10	6.00	8.00	8B
G. Ober & Sons Co., Baltimore, Md.													
Ober's Special Tobacco Bed Fertilizer	Baltimore	8.00	7.98	6.80	6.91	1.20	1.07	1.00	5.00	5.70	2.00	2.28	428A
Ober's Special Tobacco Bed Fertilizer	Faulkner	8.00	8.00	6.80	6.94	1.20	1.06	1.10	5.00	5.40	2.00	2.13	407A
Ober's Special Tobacco Bed Fertilizer	Baltimore	8.00	8.34	6.80	7.22	1.20	1.12	.60	5.00	5.20	2.00	2.64	455A
Ober's Plant Grower	Baltimore	6.00	5.84	5.10	5.01	.90	.83	1.00	6.00	6.80	8.00	8.00	262A
Ober's Plant Grower	Faulkner	6.00	6.00	5.10	5.14	.90	.86	1.00	6.00	6.40	8.00	8.08	312A
Ober's Plant Grower	Baltimore	6.00	6.00	5.10	5.25	.90	.75	.90	6.00	6.50	8.00	8.24	249A
‡†Ober's Lawn and Garden Fertilizer	Baltimore	6.00	6.18	4.50	3.85	1.50	2.33	1.10	6.00	6.60	5.00	5.90	337A

‡ Not Licensed at time of sale. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
G. Ober & Sons Co., Baltimore, Md. (Cont.)													
Ober's Standard Southern Veg. Compound	Baltimore	6.00	**5.98**	4.50	**4.46**	1.50	**1.52**	.70	6.00	**6.30**	5.00	**5.40**	184A
Ober's Lord Calvert Tobacco Fertilizer	Baltimore	4.00	**3.99**	2.80	**2.74**	1.20	**1.25**	.90	8.00	**7.70**	12.00	**12.68**	187A
†Ober's Fruit and Vine Truck Guano	Baltimore	4.00	**3.99**	3.00	**3.46**	1.00	.53	.80	8.00	**8.00**	5.00	**5.00**	13B
Ober's Fruit and Vine Truck Guano	Chestertown	4.00	**4.21**	3.00	**3.03**	1.00	**1.18**	.40	8.00	**8.90**	5.00	**5.51**	49B
Ober's Red Seal Tobacco Fertilizer	Baltimore	4.00	**4.26**	2.80	**3.23**	1.20	**1.03**	.70	8.00	**8.90**	5.00	**5.28**	8B
Ober's Red Seal Tobacco Fertilizer	Baltimore	4.00	**3.89**	2.80	**2.67**	1.20	**1.22**	**1.10**	8.00	**7.60**	5.00	**5.28**	10A
Ober's Sunbeam Guano	Baltimore	4.00	**4.07**	3.00	**3.23**	1.00	.84	**1.00**	8.00	**9.50**	7.00	**7.37**	83A
Ober's Royal Crown Tobacco Guano	Baltimore	4.00	**3.83**	2.80	**2.77**	1.20	**1.06**	.90	8.00	**8.60**	10.00	**11.02**	142A
Ober's Md. Tobacco Growers Special	Baltimore	4.00	**3.89**	2.80	**2.67**	1.20	**1.22**	**1.00**	8.00	**8.10**	7.00	**7.46**	87A
Ober's Avondale Mixture	Baltimore	3.00	**3.10**	2.25	**2.39**	.75	.71	.40	12.00	**12.70**	6.00	**6.33**	92A
Ober's Red Seal Corn and Wheat Guano	Baltimore	2.00	**2.01**	1.60	**1.61**	.40	.40	**1.10**	12.00	**12.40**	4.00	**4.21**	37B
Ober's Special Plant Food	Baltimore	2.00	**2.02**	1.60	**1.63**	.40	.39	.90	9.00	**9.80**	5.00	**5.32**	103B
Ober's Special Plant Food	Chestertown	2.00	**2.01**	1.60	**1.60**	.40	.41	.90	9.00	**9.80**	5.00	**5.35**	63B
Ober's Special Tobacco Mixture	Baltimore	2.00	**2.01**	1.40	**1.36**	.60	.65	**1.00**	8.00	**7.70**	10.00	**11.02**	180B
Ober's Superior Potato and Veg. Grower	Baltimore	2.00	**2.08**	1.60	**1.74**	.40	.34	.80	8.00	**8.20**	10.00	**10.08**	37A
Ober's Stag Guano	Baltimore	1.00	**1.10**	.70	.80	.30	.30	.90	10.00	**10.70**	5.00	**5.24**	246B
Ober's Stag Guano	Baltimore	1.00	**1.19**	.70	.73	.30	.46	**1.10**	10.00	**10.30**	5.00	**5.00**	277B
Ober's Stag Guano	Baltimore	1.00	**1.07**	.70	.77	.30	.30	**1.00**	10.00	**10.20**	5.00	**5.28**	278B
Ober's Extra Grade Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**1.00**	20.00	**20.30**	.....	.....	.....
Ober's Special Grade Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**1.30**	18.00	**18.20**	.....	.....	.....
Ober's High Grade Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**2.00**	16.00	**16.10**	.....	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	**15.36**	.....
Peerless Fertilizer Co., Chestertown, Md.													
Truckers Pride 6-6-5	Salisbury	6.00	**6.12**	5.00	**4.97**	1.00	**1.15**	.50	6.00	**6.60**	5.00	**6.48**	192A
Truckers Pride 6-6-5	Chestertown	6.00	**5.98**	5.00	**5.31**	1.00	.67	.80	6.00	**6.40**	5.00	**5.59**	507A
‡5-8-12	Salisbury	5.00	**5.14**	4.00	**4.42**	1.00	.72	.70	8.00	**8.00**	12.00	**11.18**	423A
5-8-12	Chestertown	5.00	**5.08**	4.00	**4.04**	1.00	**1.04**	.90	8.00	**8.70**	12.00	**12.10**	396A
†5-8-12	Salisbury	5.00	**4.49**	4.00	**3.45**	1.00	**1.04**	.50	8.00	**10.90**	12.00	**10.40**	345A
4-8-10	Salisbury	4.00	**4.17**	3.50	**3.47**	.50	.70	.40	8.00	**7.40**	10.00	**10.08**	330A
‡4-8-10	Salisbury	4.00	**4.17**	3.50	**3.54**	.50	.63	.40	8.00	**8.00**	10.00	**10.00**	210A
Early Trucker 4-8-5	Salisbury	4.00	**4.45**	3.50	**3.79**	.50	.66	.50	8.00	**8.30**	5.00	**5.40**	373A
Early Trucker 4-8-5	Chestertown	4.00	**4.56**	3.50	**3.68**	.50	.88	.60	8.00	**8.20**	5.00	**5.70**	350A
Early Trucker 4-8-5	Salisbury	4.00	**4.28**	3.50	**3.44**	.50	.84	.60	8.00	**8.30**	5.00	**5.90**	330A
3-8-10	Salisbury	3.00	**3.43**	2.50	**2.77**	.50	.66	.50	8.00	**8.00**	10.00	**10.00**	136A
3-8-10	Salisbury	3.00	**3.60**	2.50	**3.06**	.50	.54	.40	8.00	**8.10**	10.00	**10.00**	216A

4-8-10	Salisbury	4.00	4.17	3.50	3.47	.50	.70	.40	8.00	7.40	10.00	10.08	330A
‡4-8-10	Salisbury	4.00	4.17	3.50	3.54	.50	.63	.40	8.00	8.00	10.00	10.00	210A
Early Trucker 4-8-5	Salisbury	4.00	4.45	3.50	3.79	.50	.66	.50	8.00	8.30	5.00	5.40	373A
Early Trucker 4-8-5	Chestertown	4.00	4.56	3.50	3.68	.50	.88	.60	8.00	8.20	5.00	5.70	350A
Early Trucker 4-8-5	Salisbury	4.00	4.28	3.50	3.44	.50	.84	.60	8.00	8.30	5.00	5.90	330A
3-8-10	Salisbury	3.00	3.43	2.50	2.77	.50	.66	.50	8.00	8.00	10.00	10.00	136A
3-8-10	Salisbury	3.00	3.60	2.50	3.06	.50	.54	.40	8.00	8.10	10.00	10.00	246A
Fish Brand Fertilizer 3-8-8	Salisbury	3.00	3.34	2.50	2.61	.50	.73	.70	8.00	8.30	8.00	8.40	209A
Fish Brand Fertilizer 3-8-8	Chestertown	3.00	3.05	2.50	2.39	.50	.66	.60	8.00	8.30	8.00	9.00	216A
Peerless 2-9-5	Salisbury	2.00	2.58	1.75	2.15	.25	.43	.80	9.00	9.60	5.00	5.20	155A
Peerless 2-9-5	Chestertown	2.00	2.39	1.75	1.71	.25	.68	.50	9.00	9.80	5.00	4.66	179A
2-8-10	Salisbury	2.00	2.02	1.50	1.64	.50	.38	.80	8.00	9.20	10.00	10.08	165A
2-8-10	Chestertown	2.00	2.18	1.50	1.73	.50	.45	.80	8.00	8.20	10.00	10.00	101A
‡1-10-5	Chestertown	1.00	1.40	.85	.93	.15	.47	.80	10.00	10.00	5.00	4.26	33A
‡12-5	Chestertown	.....	.....	.....	.....	.....	.....	.80	12.00	12.50	5.00	5.12	.....
Superphosphate 16%	Salisbury	.....	.....	.....	.....	.....	.....	.80	16.00	16.90	.....	.....	.....
Kainit 14%	Chestertown	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	14.66	.....
Tankage 6%	Chestertown	6.00	6.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Piedmont-Mt. Airy Guano Co., Inc., Baltimore, Md.													
‡Piedmont Vegetable 2-8-10	Baltimore	2.00	2.12	1.50	1.26	.50	.86	.60	8.00	8.70	10.00	10.40	27B
Plantabbs Corp., Baltimore, Md.													
Fulton's Plantabbs 11-T. P. A. 15-20	Baltimore	11.00	11.20	.....	.....	.....	.....	.....	*15.00	*19.30	20.00	25.76	.....
Potomac Poultry Food Co., Inc., Baltimore, Md.													
4% Potash Potolime, Baked Oyster Shell Lime	Crisfield	c41.00	c39.70	d .40	d .97	.....	.....	.....	.....	.....	4.00	4.78	.....
Warner W. Price, Smyrna, Del.													
Ralph's Mixture	Millington	3.00	2.98	2.00	1.99	1.00	.99	.50	8.00	9.00	8.00	8.78	20A
Ralph's Mixture	Millington	3.00	3.12	2.00	1.78	1.00	1.34	.50	8.00	9.00	8.00	8.40	105A
Price's 2-9-5	Millington	2.00	2.39	1.00	1.32	1.00	1.07	.40	9.00	10.40	5.00	5.00	96A
Price's 0-12-5 Phosphate	Millington	.....	.....	.....	.....	.....	.....	.60	12.00	13.00	5.00	6.24	.....
Price's Superphosphate 16%	Millington	.....	.....	.....	.....	.....	.....	.20	16.00	18.30	.....	.....	.....
Ramsburg Fertilizer Co., Frederick, Md.													
High Grade Trucking Fertilizer	Frederick	4.00	4.58	3.20	3.76	.80	.82	.20	8.00	8.00	7.00	9.10	85A
High Grade Trucking Fertilizer	Frederick	4.00	4.02	3.20	3.23	.80	.79	.20	8.00	9.20	7.00	8.12	100A
Royal Crop Grower	Frederick	2.00	2.05	1.20	1.15	.80	.90	.50	12.00	12.80	6.00	6.21	62A
Royal Crop Grower	Frederick	2.00	2.01	1.20	1.22	.80	.79	.60	12.00	12.50	6.00	6.21	9A
Excelsior Plant Food	Frederick	2.00	1.99	1.20	1.17	.80	.82	.50	12.00	13.20	4.00	4.23	50B
Excelsior Plant Food	Frederick	2.00	1.98	1.20	1.08	.80	.90	.30	12.00	13.70	4.00	4.19	40B
Old Virginia Compound	Frederick	2.00	2.92	1.20	2.09	.80	.83	.30	9.00	11.30	5.00	5.40	72B
Old Virginia Compound	Frederick	2.00	2.84	1.20	2.08	.80	.76	.30	9.00	12.30	5.00	5.04	120A

‡ Not Licensed at time of sale. † Mineral and Organic Findings do not substantiate manufacturers declaration.
* Total Phosphoric Acid. c Calcium Oxide. d Magnesium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Ramsburg Fertilizer Co., Frederick, Md. (Con t.)													
Ammoniated Phosphate	Frederick	1.00	**1.15**	.50	**.62**	.50	**.53**	**.80**	10.00	**12.10**	5.00	**5.24**	**231B**
Ammoniated Phosphate	Frederick	1.00	**1.22**	.50	**.49**	.50	**.73**	**.50**	10.00	**11.50**	5.00	**5.08**	**302B**
Corn and Potato Fertilizer	Frederick	1.00	**1.21**	.50	**.56**	.50	**.65**	**.40**	10.00	**11.20**	5.00	**5.40**	**316B**
Corn and Potato Fertilizer	Frederick	1.00	**1.21**	.50	**.49**	.50	**.72**	**.70**	10.00	**11.30**	5.00	**5.74**	**307B**
Special Rock and Potash	Frederick	.....	.....	.....	.....	.....	.....	**.90**	12.00	**12.00**	5.00	**5.00**	.....
Super Phosphate	Frederick	.....	.....	.....	.....	.....	.....	**1.10**	16.00	**16.20**	.....	.....	.....
Super Phosphate	Frederick	.....	.....	.....	.....	.....	.....	**.90**	16.00	**16.20**	.....	.....	.....
Read Drug & Chemical Co., Baltimore, Md.													
†Plant-gro 4-12-4	Baltimore	4.00	**4.16**	4.00	**3.15**	0.00	**1.01**	**1.30**	12.00	**12.80**	4.00	**4.40**	.....
Raw Bone Meal	Baltimore	3.70	**3.88**	.....	.....	.....	.....	.....	*21.50	*22.00	.....	.....	.....
Reindollar Co., Taneytown, Md.													
†Trucker's Special	Taneytown	4.00	**4.13**	3.75	**2.87**	.25	**1.26**	**.40**	8.00	**8.70**	7.00	**7.68**	**2B**
†Trucker's Special	Taneytown	4.00	**3.89**	3.75	**2.77**	.25	**1.12**	**.40**	8.00	**9.20**	7.00	**7.37**	**20B**
Grain Grower	Taneytown	2.00	**2.30**	1.25	**1.22**	.75	**1.08**	**.80**	12.00	**12.50**	6.00	**6.24**	**75B**
Crop Grower	Taneytown	2.00	**1.97**	1.50	**1.39**	.50	**.58**	**.40**	9.00	**10.00**	5.00	**5.59**	**129B**
†Crop Grower	Taneytown	2.00	**1.85**	1.50	**1.19**	.50	**.66**	**.60**	9.00	**9.50**	5.00	**5.43**	**107B**
Rock and Potash	Taneytown	.....	.....	.....	.....	.....	.....	**.80**	12.00	**12.60**	5.00	**5.28**	.....
Rock and Potash	Taneytown	.....	.....	.....	.....	.....	.....	**.60**	12.00	**12.10**	5.00	**5.67**	.....
16% Superphosphate	Taneytown	.....	.....	.....	.....	.....	.....	**.20**	16.00	**17.90**	.....	.....	.....
W. E. Robinson & Co., Bel Air, Md.													
‡Robinson's Special Mixture 2-9-5	Fallston	2.00	**2.01**	1.40	**1.24**	.60	**.77**	**2.60**	9.00	**9.40**	5.00	**5.98**	**145B**
F. S. Royster Guano Co., Baltimore, Md.													
†Royster Tobacco Bed Fertilizer	Baltimore	8.00	**7.73**	6.40	**5.62**	1.60	**2.11**	**.40**	5.00	**5.89**	2.00	**2.40**	**93B**
Royster Tobacco Bed Fertilizer	Baltimore	8.00	**8.05**	6.40	**6.54**	1.60	**1.51**	**.70**	5.00	**5.10**	2.00	**2.44**	**103B**
Royster Arrow Potato Guano	Baltimore	6.00	**5.98**	3.60	**3.13**	2.40	**2.85**	**.50**	6.00	**6.60**	5.00	**5.35**	**52B**
Royster Arrow Potato Guano	Baltimore	6.00	**6.32**	3.60	**3.71**	2.40	**2.61**	**.40**	6.00	**6.40**	5.00	**6.05**	**38B**
Royster Arrow Potato Guano	Baltimore	6.00	**6.01**	3.60	**3.46**	2.40	**2.55**	**.50**	6.00	**6.50**	5.00	**5.31**	**21B**
Royster Arrow Potato Guano	Baltimore	6.00	**5.81**	3.60	**3.42**	2.40	**2.39**	**.40**	6.00	**6.80**	5.00	**5.38**	**162B**
Royster Arrow Potato Guano	Baltimore	6.00	**5.85**	3.60	**3.37**	2.40	**2.48**	**.60**	6.00	**6.70**	5.00	**5.12**	**94B**

Royster Arrow Potato Guano	Baltimore	6.00	6.32	3.60	3.71	2.40	2.61	.40	6.00	6.40	5.00	6.05	38B
Royster Arrow Potato Guano	Baltimore	6.00	6.01	3.60	3.46	2.40	2.55	.50	6.00	6.50	5.00	5.31	21B
Royster Arrow Potato Guano	Baltimore	6.00	5.81	3.60	3.42	2.40	2.39	.40	6.00	6.80	5.00	5.38	162B
Royster Arrow Potato Guano	Baltimore	6.00	5.85	3.60	3.37	2.40	2.48	.60	6.00	6.70	5.00	5.12	94B
Royster Arrow Potato Guano	Baltimore	6.00	6.07	3.60	3.55	2.40	2.52	.50	6.00	6.60	5.00	5.40	1A
‡Vim	Mt. Lake Park	5.00	5.19	5.00	4.50	0.00	.69	.30	10.00	11.10	6.00	6.00	146A
Royster Prize Guano	Baltimore	4.00	4.04	3.20	3.23	.80	.81	.50	8.00	8.40	10.00	10.40	98A
Royster Prize Guano	Baltimore	4.00	4.00	3.20	2.70	.80	1.30	1.00	8.00	8.00	10.00	10.08	59B
Royster Gold Dust Tobacco Guano	Baltimore	4.00	4.07	2.00	1.62	2.00	2.45	.90	8.00	8.30	7.00	7.37	50B
Royster Quality Trucker	Baltimore	4.00	4.00	3.20	3.06	.80	.94	.70	8.00	8.00	7.00	7.00	7B
Royster Quality Trucker	Baltimore	4.00	4.00	3.20	2.78	.80	1.22	.80	8.00	8.40	7.00	7.06	126A
Royster Quality Trucker	Baltimore	4.00	4.02	3.20	2.81	.80	1.21	.80	8.00	8.20	7.00	7.06	43B
Royster Golden Weed Tobacco Guano	Baltimore	4.00	4.03	2.00	1.64	2.00	2.39	80	8.00	8 60	5.00	5 38	43B
Royster Special Trucker	Baltimore	4.00	4.03	3.20	2.72	.80	1.31	.90	8.00	8.30	5.00	5.75	111B
Royster Specail Trucker	Baltimore	4.00	4.02	3.20	2.84	.80	1.18	.60	8.00	8.50	5.00	5.32	49B
Royster Specail Trucker	Baltimore	4.00	4.02	3.20	2.75	.80	1.27	.50	8.00	8.80	5.00	5.32	62B
Royster Special Trucker	Baltimore	4.00	4.00	3.20	2.77	.80	1.23	.60	8.00	8.40	5.00	5.00	30B
Royster Special Trucker	Baltimore	4.00	4.06	3.20	3.11	.80	.95	.70	8.00	8.40	5.00	5.00	57B
Royster Special Trucker	Baltimore	4.00	4.02	3.20	2.81	.80	1.21	.70	8.00	8.20	5.00	5.20	66B
Royster Special Trucker	Baltimore	4.00	4.04	3.20	2.77	.80	1.27	.70	8.00	8.20	5.00	5.28	46B
†Royster Curlew Guano	Baltimore	3.00	3.10	2.40	2.05	.60	1.05	.80	12.00	12.00	6.00	6.20	19A
Royster Favoiite Guano	Denton	3.00	3.03	2.40	2.22	.60	.81	.40	8.00	8.60	10.00	10.86	59A
†Royster Favorite Guano	Baltimore	3.00	3.09	2.40	1.95	.60	1.14	.70	8.00	8.10	10.00	11.18	130B
Royster Favorite Guano	Baltimore	3.00	3.12	2.40	2.25	.60	.87	.70	8.00	8.50	10.00	10.24	72A
Royster Ideal Guano	Denton	3.00	3.12	2.40	2.39	.60	.73	.40	8.00	8.70	8.00	8.38	52A
Royster Md. Pride Tobacco Guano	Baltimore	2.00	2.13	1.00	.81	1.00	1.32	1.10	12.00	12.10	4.00	4.00	113B
Royster Big Bully Guano	Baltimore	2.00	2.02	1.60	1.59	.40	.43	.50	9.00	9.20	5.00	5.04	34B
Royster Big Bully Guano	Baltimore	2.00	2.05	1.60	1.60	.40	.45	.40	9.00	9.30	5.00	5.04	96B
Royster Big Bully Guano	Baltimore	2.00	2.08	1.60	1.66	.40	.42	150	9.00	9.20	5.00	5.28	67B
Royster Big Bully Guano	Baltimore	2.00	2.06	1.60	1.71	.40	.35	.50	9.00	9.40	5.00	5.20	92B
†Royster Big Bully Guano	Baltimore	2.00	2.08	1.60	1.21	.40	.87	.70	9.00	9.40	5.00	5.40	146B
†Royster Banner Guano	Baltimore	2.00	1.99	1.60	1.21	.40	.81	.60	8.00	8.50	10.00	10.96	72B
†Royster Banner Guano	Baltimore	2.00	2.04	1.60	1.29	.40	.75	.90	8.00	8.20	10.00	10.40	102B
Royster 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.80	16.00	16.40	.....	.....	.....
Royster 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.70	16.00	16.70	.....	.....	.....
Royster 16% Superphosphate	Mt. Lake Park	.....	.....	.....	.....	.....	.....	.80	16.00	16.80	.....	.....	.....
Royster 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.80	16.00	16.50	.....	.....	.....
F. Rynveld & Sons, New York, N. Y.													
Rynveld's Bone Meal Fertilizer	Baltimore	2.47	2.18	.....	.....	.....	.....	.....	*22.00	*29.50	.....	.....	.....
Wm. G. Scarlett & Co., Baltimore, Md.													
Greenway Brand Bone Meal	Baltimore	2.50	3.43	.....	.....	.....	.....	.....	*24.00	*23.50	.....	.....	.....

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Simon Brothers, Baltimore, Md.													
†Mor Life Plant Food	Baltimore	4.00	3.68	.80	.29	3.20	3.39	2.40	5.00	2.70	2.00	2.00	.....
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
†Slingluff's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.79	9.00	8.23	1.00	1.56	.60	5.00	5.50	2.00	2.32	747A
†Slingluff's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.52	9.00	8.39	1.00	1.13	.80	5.00	5.20	2.00	2.32	753A
†Slingluff's 10% Top Dresser for Tob. Beds	Waldorf	10.00	9.52	9.00	8.41	1.00	1.11	.50	5.00	5.40	2.00	2.40	767A
Slingluff's 10% Top Dresser for Tob. Beds	Faulkner	10.00	9.72	9.00	8.64	1.00	1.08	.80	5.00	5.50	2.00	2.40	706A
Slingluff's 10% Top Dresser for Tob. Beds	Upper Marlboro	10.00	10.15	9.00	8.72	1.00	1.43	.70	5.00	5.50	2.00	2.10	592A
Slingluff's 10% Top Dresser for Tob. Beds	Baltimore	10.00	9.66	9.00	8.84	1.00	.82	.50	5.00	6.00	2.00	2.34	700A
‡Slingluff's Tobacco Bed Mixture	Faulkner	8.00	7.66	7.00	6.77	1.00	.89	.60	5.00	5.10	2.00	2.36	570A
†Slingluff's Tobacco Bed Compound	Baltimore	6.00	6.09	5.50	4.77	.50	1.32	.60	6.00	6.80	8.00	8.00	124A
†Slingluff's Tobacco Bed Compound	Baltimore	6.00	5.98	5.50	4.83	.50	1.15	.60	6.00	6.40	8.00	8.00	366A
†Slingluff's Tobacco Bed Compound	Faulkner	6.00	6.07	5.50	4.82	.50	1.25	.70	6.00	6.70	8.00	8.24	412A
Slingluff's 6% Trucker	Baltimore	6.00	5.76	5.25	4.93	.75	.83	.40	6.00	6.70	5.00	5.20	77A
†Slingluff's 6% Trucker	Baltimore	6.00	6.00	5.25	4.62	.75	1.38	.40	6.00	6.10	5.00	5.38	15A
Slingluff's Master Trucker	Baltimore	5.00	4.86	4.25	3.86	.75	1.00	1.00	10.00	10.40	5.00	5.00	126A
Slungluff's 4-12-4	Baltimore	4.00	4.09	3.25	3.08	.75	1.01	1.40	12.00	11.60	4.00	4.12	56A
Slungluff's H. G. Tobacco 4-8-12	Baltimore	4.00	3.89	3.25	2.98	.75	.91	.70	8.00	8.40	12.00	12.34	49A
Slungluff's H. G. Tobacco 4-8-12	Baltimore	4.00	4.02	3.25	3.26	.75	.76	.50	8.00	8.10	12.00	12.40	108A
‡Slingluff's H. G. Tobacco 4-8-12	Baltimore	4.00	4.07	3.25	3.26	.75	.81	.30	8.00	8.70	12.00	12.44	174A
Slingluff's Long Red Tobacco	Baltimore	4.00	3.99	3.25	3.25	.75	.74	.70	8.00	8.10	10.00	12.10	72A
Slingluff's Long Red Tobacco	Baltimore	4.00	4.11	3.25	3.27	.75	.84	.30	8.00	8.70	10.00	10.40	206A
Slingluff's Truck and Potato	Waldorf	4.00	4.14	3.50	3.51	.50	.63	.50	8.00	8.30	7.00	7.26	157A
†Slingluff's Truck and Potato	Baltimore	4.00	3.88	3.50	2.95	.50	.93	.70	8.00	8.00	7.00	7.39	31B
‡Slingluff's Tobacco Compound	Baltimore	4.00	3.88	3.25	3.00	.75	.88	.80	8.00	9.10	7.00	7.26	22A
Slingluff's Big and Bright Tobacco	Waldorf	4.00	4.00	3.25	3.33	.75	.67	.30	8.00	8.40	5.00	5.46	48B
Slingluff's Big and Bright Tobacco	Baltimore	4.00	3.85	3.25	3.39	.75	.46	1.00	8.00	8.40	5.00	6.98	25A
Slingluff's Big and Bright Tobacco	Baltimore	4.00	3.86	3.25	3.24	.75	.62	1.00	8.00	8.30	5.00	5.16	16A
Slingluff's Big and Bright Tobacco	Baltimore	4.00	3.72	3.25	3.11	.75	.61	.50	8.00	8.90	5.00	6.36	53B
Slingluff's Big and Bright Tobacco	Baltimore	4.00	4.07	3.25	3.01	.75	1.06	.50	8.00	8.80	5.00	5.04	79A
Slingluff's General Trucker	Baltimore	4.00	3.86	3.25	2.95	.75	.91	.60	8.00	8.20	5.00	5.40	11B
Slingluff's General Trucker	Baltimore	4.00	3.75	3.25	2.85	.75	.90	.70	8.00	8.30	5.00	6.05	34A
Slingluff's General Trucker	Baltimore	4.00	3.99	3.25	3.02	.75	.97	.60	8.00	8.30	5.00	5.04	19A
Slingluff's Champion Phosphate	Baltimore	2.00	2.19	1.25	1.49	.75	.70	1.00	9.00	9.20	5.00	5.40	54B
‡Slingluff's Champion Phosphate	Baltimore	2.00	2.10	1.25	1.43	.75	.67	1.00	9.00	9.20	5.00	5.04	3A
Slingluff's Southern Md. Tob. Special	Baltimore	2.00	2.00	1.25	1.43	.75	.57	1.00	9.00	9.20	5.00	5.04	3A

Slingluff's Big and Bright Tobacco	Baltimore	4.00	4.07	3.25	3.01	.75	1.06	.50	8.00	8.30	5.00	5.04	79A
Slingluff's General Trucker	Baltimore	4.00	3.86	3.25	2.95	.75	.91	.60	8.00	8.20	5.00	5.40	11B
Slingluff's General Trucker	Baltimore	4.00	3.75	3.25	2.85	.75	.90	.70	8.00	8.30	5.00	6.05	34A
Slingluff's General Trucker	Baltimore	4.00	3.99	3.25	3.02	.75	.97	.60	8.00	8.30	5.00	5.04	19A
Slingluff's Champion Phosphate	Baltimore	2.00	2.19	1.25	1.49	.75	.70	1.00	9.00	9.20	5.00	5.40	54B
‡Slingluff's Champion Phosphate	Baltimore	2.00	2.10	1.25	1.43	.75	.67	1.00	9.00	9.20	5.00	5.04	3A
Slingluff's Southern Md. Tob. Special	Baltimore	2.00	2.02	1.25	1.29	.75	.73	.80	8.00	8.10	10.00	10.50	105B
Slingluff's Superphosphate	Baltimore							1.40	16.00	16.50			
Southern States Cooperative, Inc., Richmond, Va.													
‡†Southern States Qual'y 6-6-5 Super Truck	Salisbury	6.00	6.00	3.60	3.09	2.40	2.91	1.00	6.00	7.00	5.00	5.51	82A
Southern States Qual'y 6-6-5 Super Truck	Pocomoke City	6.00	5.76	3.60	3.12	2.40	2.64	.90	6.00	6.60	5.00	5.55	239B
†Southern States Qual'y 6-6-5 Super Truck	Pocomoke City	6.00	5.94	3.60	2.27	2.40	3.67	.70	6.00	6.40	5.00	5.04	138B
‡†Southern States Quality 5-8-12	Salisbury	5.00	5.05	3.75	2.44	1.25	2.61	1.00	8.00	8.80	12.00	13.20	148A
‡Southern States Quality 4-12-4 Standard	Salisbury	4.00	4.10	3.00	2.67	1.00	1.43	1.10	12.00	12.50	4.00	4.19	67A
†Southern States 4-8-12 for Tobacco	Baltimore	4.00	4.14	.40	2.20	3.60	.94	1.30	8.00	9.40	12.00	12.10	145A
‡†Southern States 4-8-7 Standard Fertilizer	Salisbury	4.00	4.14	3.00	2.32	1.00	1.82	1.00	8.00	7.50	7.00	7.00	37B
†Southern States 4-8-7 Standard Fertilizer	Bel Air	4.00	3.65	3.00	2.38	1.00	1.27	1.10	8.00	9.30	7.00	6.21	209B
Southern States 4-8-5 Standard Fertilizer	Bel Air	4.00	4.11	3.00	2.70	1.00	1.41	.90	8.00	8.30	5.00	5.59	148B
Southern States 4-8-5 Standard Fertilizer	Pocomoke City	4.00	4.13	3.00	2.84	1.00	1.29	1.10	8.00	8.50	5.00	5.00	212B
‡†Southern States Quality 3-12-6	Denton	3.00	3.09	2.25	1.40	.75	1.69	.90	12.00	12.60	6.00	6.44	45B
‡Southern States Quality 3-8-10 Standard	Pocomoke City	3.00	3.07	2.25	2.11	.75	.96	.90	8.00	8.80	10.00	11.18	325B
‡Southern States Quality 3-3-15 Standard	Pocomoke City	3.00	2.97	2.25	1.95	.75	1.02	.40	3.00	3.90	15.00	16.64	543B
Southern States Quality 2-12-6	Salisbury	2.00	2.06	1.50	1.35	.50	.71	1.20	12.00	12.60	6.00	6.96	132B
Southern States 2-12-4 Standard Fertilizer	Bel Air	2.00	2.22	1.50	1.50	.50	.72	1.10	12.00	12.80	4.00	4.26	150B
Southern States 2-12-4 Standard Fertilizer	Bel Air	2.00	2.01	1.50	1.29	.50	.72	1.00	12.00	12.50	4.00	4.40	100B
Southern States 2-9-5 Standard Fertilizer	Bel Air	2.00	2.02	1.50	1.26	.50	.76	.60	9.00	9.40	5.00	5.46	401B
Southern States 2-9-5 Standard Fertilizer	Baltimore	2.00	2.05	1.50	1.40	.50	.65	.90	9.00	9.30	5.00	5.40	382B
Southern States 2-9-5 Standard Fertilizer	Bel Air	2.00	2.15	1.50	1.43	.50	.72	.70	9.00	10.70	5.00	5.04	280B
Southern States Quality 2-8-10	Pocomoke City	2.00	2.05	1.50	1.42	.50	.63	.80	8.00	8.00	10.00	10.40	524B
‡Southern States Quality 1-10-5	Salisbury	1.00	1.19	.75	.73	.25	.46	.90	10.00	9.40	5.00	6.05	380B
Southern States 0-12-5 Fertilizer	Bel Air							1.20	12.00	12.10	5.00	5.16	
‡Southern States Quality 0-10-10	Salisbury							1.00	10.00	10.40	10.00	10.40	
S. S. C. Special Superphosphate	Bel Air							4.10	16.00	16.60			
‡Southern States Quality 60% Muriate of Potash	Salisbury										60.00	60.00	
Standard Wholesale Phosphate & Acid Works, Inc., Balto., Md.													
Stand. U. S. Nat. Prosperity Brand 6-6-5	Baltimore	6.00	5.98	3.60	3.37	2.40	2.61	.60	6.00	6.90	5.00	5.32	181A
Stand. U. S. Nat. Prosperity Brand 6-6-5	Baltimore	6.00	6.22	3.60	3.71	2.40	2.51	.60	6.00	6.70	5.00	5.04	114A
‡Stand. U. S. Nat. Prosperity Brand 6-6-5	Denton	6.00	.604	3.60	3.71	2.40	2.33	.60	6.00	7.10	5.00	5.20	103A
Pinkerton Bell Brand 5-10-5	Baltimore	5.00	5.12	4.00	4.07	1.00	1.05	1.20	10.00	10.30	5.00	5.20	387A
Stand. U. S. 5-10-5	Baltimore	5.00	5.11	4.00	4.07	1.00	1.04	1.10	10.00	10.50	5.00	5.20	383A
‡Stand U. S. 4-12-4	Cumberland	4.00	4.11	3.20	3.12	.80	.99	1.60	12.00	12.90	4.00	4.30	272A
‡Stand U. S. 4-8-12 Sulphate of Potash	Baltimore	4.00	4.04	3.20	2.81	.80	1.23	.80	8.00	8.90	12.00	12.40	267A

‡ Not Licensed at time of sale. † Mineral and Organic findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Stand. Wholesale Phosphate & Acid Works, In	**c., Balto., Md. (Co**	**nt.)**											
‡Pinkerton Bell Brand 4-8-7	Baltimore	4.00	4.21	3.20	3.16	.80	1.05	.70	8.00	8.30	7.00	7.10	125A
Pinkerton Bell Brand 4-8-7	Baltimore	4.00	3.99	3.20	3.17	.80	.82	.70	8.00	9.00	7.00	7.37	142A
‡Stand. U. S. 4-8-7	Baltimore	4.00	4.31	3.20	3.28	.80	1.03	.80	8.00	8.30	7.00	7.06	83A
Stand. U. S. 4-8-7	Baltimore	4.00	4.13	3.20	3.29	.80	.84	1.10	8.00	8.20	7.00	7.76	75A
Stand. U. S. 4-8-7	Baltimore	4.00	4.16	3.20	3.19	.80	.97	.80	8.00	8.80	7.00	7.32	122A
Pinkerton Bell Brand 4-8-5	Baltimore	4.00	4.00	3.20	3.17	.80	.83	.80	8.00	9.00	5.00	5.75	196A
Stand. U. S. 4-8-5	Denton	4.00	4.24	3.20	3.14	.80	1.10	.70	8.00	8.70	5.00	5.31	231A
Stand. U. S. 4-8-5	Baltimore	4.00	4.00	3.20	3.13	.80	.87	.90	8.00	8.80	5.00	5.68	188A
Stand. U. S. 3-12-6	Baltimore	3.00	3.10	2.40	2.39	.60	.71	2.00	12.00	12.20	6.00	6.00	77A
‡Pinkerton Brll Brand 3-12-6	Baltimore	3.00	3.69	2.40	2.67	.60	1.02	.60	12.00	11.60	6.00	5.51	229A
Pinkerton Bell Brand 3-8-10	Denton	3.00	3.20	2.40	2.46	.60	.74	.60	8.00	8.30	10.00	10.08	221A
‡Stand. U. S. 3-8-10	Baltimore	3.00	3.12	2.40	2.42	.60	.70	1.10	8.00	8.20	10.00	10.40	82A
Pinkerton Bell Brand 3-8-8	Denton	3.00	3.12	2.40	2.36	.60	.76	.60	8.00	8.80	8.00	8.08	158A
Stand. U. S. 3-8-8	Baltimore	3.00	3.16	2.40	2.43	.60	.73	.90	8.00	8.50	8.00	8.44	28A
Stand. U. S. 2-12-6	Baltimore	2.00	2.19	1.60	1.60	.40	.59	1.10	12.00	12.00	6.00	6.72	159A
Stand. U. S. 2-12-4	Baltimore	2.00	2.11	1.60	1.61	.40	.50	.90	12.00	12.40	4.00	4.40	40A
Pinkerton Bell Brand 2-9-5	Bel Air	2.00	2.16	1.60	1.64	.40	.52	.90	9.00	10.10	5.00	5.40	68B
Stand. U. S. 2-9-5	Denton	2.00	2.16	1.60	1.63	.40	.53	.80	9.00	9.30	5.00	5.51	70B
Stand. U. S. 2-9-5	Baltimore	2.00	1.98	1.60	1.60	.40	.38	.90	9.00	9.30	5.00	5.67	34B
Pinkerton Bell Brand 2-8-10	Denton	2.00	2.13	1.60	1.63	.40	.50	.70	8.00	8.50	10.00	9.60	4B
†Pinkerton Bell Brand 2-8-10	Elkton	2.00	1.92	1.60	1.33	.40	.59	.90	8.00	8.60	10.00	10.24	17B
Pinkerton Bell Brand 2-8-10	Baltimore	2.00	1.95	1.60	1.43	.40	.52	.80	8.00	8.50	10.00	11.24	117B
‡Stand. U. S. 2-8-10	Cumberland	2.00	2.27	1.60	1.73	.40	.54	.90	8.00	9.20	10.00	9.62	146A
Stand. U. S. 2-8-10	Baltimore	2.00	2.01	1.60	1.59	.40	.42	1.00	8.00	8.60	10.00	10.40	60B
Stand. U. S. 2-8-10	Baltimore	2.00	2.01	1.60	1.43	.40	.58	.80	8.00	8.20	10.00	10.86	135B
Stand. U. S. 2-8-10	Baltimore	2.00	2.05	1.60	1.54	.40	.51	.90	8.00	8.40	10.00	10.60	22B
Stand. U. S. 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.90	12.00	12.50	5.00	5.67	.....
Pinkerton Bell Brand 0-12-5	Baltimore	.....	.....	.....	.....	.....	.....	.80	12.00	12.60	5.00	5.40	.....
‡Pinherton Bell Brand 0-12-5	Elkton	.....	.....	.....	.....	.....	.....	.80	12.00	12.20	5.00	5.12	.....
Stand. U. S. 20% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.50	20.00	20.70	.....	.....	.....
Pinkerton B. Brand 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	17.60	.....	.....	.....
Pinkerton B. Brand 16% Superphosphate	Elkton	.....	.....	.....	.....	.....	.....	1.20	16.00	16.30	.....	.....	.....
Pinkerton B. Brand 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	1.60	16.00	16.40	.....	.....	.....
Pinkerton B. Brand 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	.90	16.00	16.40	.....	.....	.....
Stand. U. S. 16% Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	1.50	16.00	16.50	.....	.....	.....

Stand. U. S. 20% Superphosphate	Baltimore							.50	20.00	20.70				
Pinkerton B. Brand 16% Superphosphate	Baltimore							.40	16.00	17.60				
Pinkerton B. Brand 16% Superphosphate	Elkton							1.20	16.00	16.30				
Pinkerton B. Brand 16% Superphosphate	Baltimore							1.60	16.00	16.40				
Pinkerton B. Brand 16% Superphosphate	Baltimore							.90	16.00	16.40				
Stand. U. S. 16% Superphosphate	Baltimore							1.50	16.00	16.50				
‡Stand. U. S. Fish Meal	Denton	9.00	9.62											
‡Steamed Bone Meal 2.47-T.P.A.22	Cumberland	2.47	2.47						*22.00	*24.30				
‡Pulverized Sheep Manure 1.75-T.P.A.1-2	Cumberland	1.75	1.83						*1.00	*1.50	2.00	2.64		
‡Stand. U. S. Kainit	Denton										20.00	21.60		
Summers Fertilizer Co., Inc., Baltimore, Md.														
6-6-5 Fertilizer	College Park	6.00	5.98	4.50	4.25	1.50	1.63	1.00	6.00	7.50	5.00	5.40	152A	
6-6-5 Fertilizer	Owings Mills	6.00	5.90	4.50	4.16	1.50	1.74	1.00	6.00	7.20	5.00	5.24	169A	
6-6-5 Fertilizer	Towson	6.00	5.97					1.20	6.00	8.00	5.00	5.00		
6-6-5 Fertilizer	Loch Raven	6.00	5.93	4.50	4.11	1.50	1.82	1.00	6.00	6.90	5.00	6.01	110A	
6-6-5 Fertilizer	Sykesville	6.00	6.21					.70	6.00	6.30	5.00	6.60		
4-8-12 Fertilizer	Jessups	4.00	4.13					1.30	8.00	8.60	12.00	12.00		
†4-8-5 Fertilizer	College Park	4.00	3.99	3.50	2.78	.50	1.21	1.30	8.00	8.90	5.00	5.16	79A	
4-8-5 Fertilizer	Owings Mills	4.00	4.11					1.20	8.00	9.50	5.00	5.00		
4-8-5 Fertilizer	Jessups	4.00	4.00					1.20	8.00	8.90	5.00	5.32		
†4-8-5 Fertilizer	Loch Raven	4.00	4.02	3.50	2.81	.50	1.21	1.10	8.00	8.50	5.00	5.59	15A	
3-8-8 Fertilizer	Jessups	3.00	3.27					1.00	8.00	8.30	8.00	8.32		
2-12-4 Fertilizer	Loch Raven	2.00	2.12	1.75	1.54	.25	.58	1.20	12.00	11.90	4.00	4.26	70B	
2-12-4 Fertilizer	Owings Mills	2.00	2.36					1.30	12.00	12.00	4.00	4.16		
2-12-4 Fertilizer	Sykesville	2.00	2.25					1.40	12.00	12.40	4.00	4.26		
Sulphate of Ammonia	College Park	20.50	20.52											
Ground Raw Bone Meal	Owings Mills	3.70	4.18						*21.50	*21.80				
Muriate of Potash	College Park										48.00	48.00		
Swift & Co. Fertilizer Works, Baltimore, Md.														
†Swift's Red Steer Tobacco Grower 8-5-2	Clinton	8.00	7.52	6.57	6.03	1.43	1.49	.30	5.00	5.10	2.00	2.40	170A	
Swift's Red Steer Tobacco Grower 8-5-2	Clinton	8.00	8.02	6.57	6.55	1.43	1.47	.30	5.00	5.50	2.00	2.25	225A	
Swift's Red Steer Tobacco Grower 8-5-2	Baltimore	8.00	8.20	6.57	6.70	1.43	1.50	.20	5.00	5.30	2.00	2.40	299A	
Swift's Red Steer 6-6-5	Baltimore	6.00	6.01	5.13	5.01	.97	1.00	.50	6.00	6.30	5.00	5.40	41B	
Swift's Red Steer 6-6-5	Baltimore	6.00	5.81	5.13	4.64	.97	1.17	.50	6.00	6.60	5.00	5.82	24B	
Swift's Red Steer 6-6-5	Baltimore	6.00	5.85	5.13	4.76	.97	1.09	.30	6.00	6.50	5.00	5.71	98A	
Swift's Red Steer 6-6-5	Baltimore	6.00	6.00	5.13	4.86	.97	1.14	.30	6.00	6.80	5.00	5.38	23A	
‡Swift's Red Steer 5-10-5	Baltimore	6.00	6.04	5.13	5.05	.97	.99	.20	6.00	6.70	5.00	5.40	24B	
Swift's Red Steer 5-10-5	Baltimore	5.00	5.11	4.04	4.07	.96	1.04	.40	10.00	10.10	5.00	5.00	4A	
‡Swift's Red Steer 5-8-12	Baltimore	5.00	4.96	4.04	3.80	.96	1.16	.40	10.00	10.40	5.00	5.04	28A	
Swift's Red Steer 5-8-12	Baltimore	5.00	4.80	4.04	3.90	.96	.90	.30	8.00	8.50	12.00	12.40	60A	
†Vigoro	Baltimore	5.00	5.00	4.04	4.05	.96	.95	.30	8.00	9.10	12.00	12.10	78A	
‡Swift's Red Steer 4-8-12	Baltimore	4.00	3.99	4.00	3.44	0.00	.55	.60	12.00	13.20	4.00	4.81		
		4.00	3.92	3.19	2.99	.81	.93	.40	8.00	9.10	12.00	12.00	10B	

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Swift & Co., Fertilizer Works, Baltimore, Md.	(Cont.)												
Swift's Red Steer Tobacco Grower 4-8-12	Baltimore	4.00	**4.03**	3.19	**3.08**	.81	**.95**	**.70**	8.00	**8.00**	12.00	**13.04**	**6B**
Swift's Red Steer 4-8-10	Baltimore	4.00	**4.00**	3.19	**3.10**	.81	**.90**	**.30**	8.00	**8.80**	10.00	**10.24**	**12A**
‡Swift's Red Steer 4-8-10 Tobacco Grower	Baltimore	4.00	**4.13**	3.19	**3.12**	.81	**1.01**	**.60**	8.00	**8.00**	10.00	**10.86**	**34A**
Swift's Red Steer 4-8-7	Baltimore	4.00	**4.30**	3.19	**3.26**	.81	**1.04**	**.40**	8.00	**8.40**	7.00	**7.37**	**25A**
Swift's Red Steer 4-8-7	Baltimore	4.00	**4.17**	3.19	**3.13**	.81	**1.04**	**.40**	8.00	**8.50**	7.00	**7.40**	**10A**
Swift's Red Steer 4-8-7	Baltimore	4.00	**4.16**	3.19	**3.29**	.81	**.87**	**.40**	8.00	**8.20**	7.00	**7.92**	**30A**
‡Swift's Red Steer Tobacco Grower 4-8-7	Baltimore	4.00	**4.20**	3.19	**3.43**	.81	**.77**	**.60**	8.00	**8.20**	7.00	**7.37**	**17A**
Swift's Red Steer 4-8-5	Baltimore	4.00	**4.02**	3.19	**3.40**	.81	**.62**	**.50**	8.00	**8.40**	5.00	**5.12**	**8A**
Swift's Red Steer 4-8-5	Baltimore	4.00	**3.99**	3.19	**3.01**	.81	**.98**	**.20**	8.00	**8.30**	5.00	**5.35**	**27B**
Swift's Red Steer 4-8-5	Baltimore	4.00	**4.07**	3.19	**3.22**	.81	**.85**	**.20**	8.00	**8.60**	5.00	**5.07**	**31A**
Swift's Red Steer 4-8-5	Baltimore	4.00	**4.02**	3.19	**2.93**	.81	**1.09**	**.40**	8.00	**8.60**	5.00	**5.20**	**55B**
‡Swift's Red Steer Tobacco Grower 4-8-5	Baltimore	4.00	**4.00**	3.19	**3.02**	.81	**.98**	**.70**	8.00	**9.80**	5.00	**5.40**	**57B**
Swift's Red Steer 3-12-6	Baltimore	3.00	**3.00**	2.57	**2.60**	.43	**.40**	**.80**	12.00	**12.00**	6.00	**6.33**	**30B**
Swift's Red Steer 3-8-10	Baltimore	3.00	**3.05**	2.34	**2.34**	.66	**.71**	**.50**	8.00	**8.30**	10.00	**10.40**	**8A**
Swift's Red Steer 3-8-10	Baltimore	3.00	**3.20**	2.34	**2.40**	.66	**.80**	**.40**	8.00	**8.40**	10.00	**10.00**	**50B**
Swift's Red Steer 3-8-10	Baltimore	3.00	**3.16**	2.34	**2.47**	.66	**.69**	**.40**	8.00	**8.10**	10.00	**10.00**	**86B**
Swift's Red Steer 3-8-10	Baltimore	3.00	**3.26**	2.34	**2.51**	.66	**.75**	**.60**	8.00	**8.40**	10.00	**11.80**	**47B**
Swift's Red Steer 2-12-4	Baltimore	2.00	**2.02**	1.57	**1.52**	.43	**.50**	**.50**	12.00	**12.30**	4.00	**4.04**	**24B**
Swift's Red Steer 2-9-5	Baltimore	2.00	**2.02**	1.59	**1.38**	.41	**.64**	**.40**	9.00	**9.50**	5.00	**5.04**	**87B**
†Swift's Red Steer 2-9-5	Baltimore	2.00	**2.02**	1.59	**1.31**	.41	**.71**	**.50**	9.00	**9.00**	5.00	**6.13**	**129B**
Swift's Red Steer 2-9-5	Baltimore	2.00	**2.06**	1.59	**1.43**	.41	**.63**	**.40**	9.00	**9.00**	5.00	**5.20**	**79B**
‡Swift's Red Steer Tobacco Grower 2-8-10	Baltimore	2.00	**2.36**	1.57	**1.87**	.43	**.49**	**.60**	8.00	**8.50**	10.00	**10.16**	**21A**
Swift's Red Steer Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.50**	16.00	**16.10**	.....	.....	.....
Swift's Red Steer Superphosphate	Baltimore	.....	.....	.....	.....	.....	.....	**.30**	16.00	**16.40**	.....	.....	.....
Raw Bone Meal	Reisterstown	3.70	**4.16**	.....	.....	.....	.....	.....	*20,00	*23.80	.....	.....	.....
Kainit	Reisterstown	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	**14.12**	.....
Tennessee Corp., Lockland, Ohio													
Loma	Baltimore	5.00	**5.19**	4.00	**4.57**	1.00	**.62**	**.70**	10.00	**10.30**	4.00	**4.40**	.....
I. P. Thomas & Son Co., Philadelphia, Pa.													
6% Guano 6-6-5	Denton	6.00	**5.76**	4.50	**4.11**	1.50	**1.65**	**1.10**	6.00	**6.50**	5.00	**5.35**	**17A**
‡I. P. Thomas 4-8-7	Denton	4.00	**4.00**	3.10	**2.90**	.90	**1.10**	**.40**	8.00	**9.60**	7.00	**7.06**	**58A**
I. P. Thomas 4-8-7	Denton	4.00	**4.04**	3.10	**2.98**	.90	**1.06**	**.20**	8.00	**8.10**	7.00	**7.20**	**30A**

Loma	Baltimore	5.00	5.19	4.00	4.57	1.00	.62	.70	10.00	10.50	4.00	4.40	.....
I. P. Thomas & Son Co., Philadelphia, Pa.													
6% Guano 6-6-5	Denton	6.00	5.76	4.50	4.11	1.50	1.65	1.10	6.00	6.50	5.00	5.35	17A
‡I. P. Thomas 4-8-7	Denton	4.00	4.00	3.10	2.90	.90	1.10	.40	8.00	9.60	7.00	7.06	58A
I. P. Thomas 4-8-7	Denton	4.00	4.04	3.10	2.98	.90	1.06	.90	8.00	9.10	7.00	6.98	49A
‡Royal Guano 4-8-5	Denton	4.00	4.00	3.00	2.91	1.00	1.09	.40	8.00	9.60	5.00	5.20	4A
Royal Guano 3-8-8	Denton	4.00	3.99	3.00	2.86	1.00	1.13	1.00	8.00	9.10	5.00	5.68	40A
‡Sweet Potato 3-8-8	Denton	3.00	2.88	2.15	2.11	.85	.77	1.30	8.00	8.30	8.00	9.48	230A
Farmer's Choice 2-12-4	Denton	2.00	2.16	1.27	1.28	.73	.88	.80	12.00	13.50	4.00	4.08	90A
Farmer's Choice 2-12-4	Denton	2.00	2.11	1.27	1.26	.73	.85	1.60	12.00	12.50	4.00	4.16	120A
†Victor Potash Fertilizer 2-9-5	Denton	2.00	2.12	1.73	1.41	.77	.71	.30	9.00	10.60	5.00	5.35	85A
10% Sweet Potato 2-8-10	Denton	2.00	2.05	1.27	1.28	.73	.77	.30	8.00	9.30	10.00	10.56	38B
I. P. Thomas 1-10-5	Denton	1.00	1.00	.45	.46	.55	.54	.40	10.00	11.20	5.00	5.35	57A
16% Superphosphate	Denton	.....	.....	.....	.....	.....	.....	.20	16.00	17.90	.....	.....	.....
‡14% Kainit	Denton	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	15.30	.....
Thomas & Co., Frederick, Md.													
Pea Mixture	Gaithersburg	4.00	4.58	3.90	4.51	.10	.07	.50	8.00	6.20	5.00	4.78	162B
Rock and Potash	Gaithersburg	.....	.....	.....	.....	.....	.....	1.40	12.00	12.30	5.00	5.86	.....
Superphosphate	Gaithersburg	.....	.....	.....	.....	.....	.....	1.40	16.00	16.60	.....	.....	.....
Wm. B. Tilghman Co., Salisbury, Md.													
Tilghman's Irish P. Guano	Salisbury	6.00	6.07	4.20	4.48	1.80	1.59	.50	6.00	7.40	5.00	6.02	91A
Tilghman's Irish P. Guano	Princess Anne	6.00	6.18	4.20	3.93	1.80	2.25	1.00	6.00	6.90	5.00	5.43	259A
Tilghman's Irish P. Guano	Salisbury	6.00	6.12	4.20	4.14	1.80	1.98	.50	6.00	7.30	5.00	5.46	152A
Tilghman's "Q" Brand	Salisbury	6.00	5.87	3.60	3.25	2.40	2.62	.40	6.00	6.90	5.00	5.35	100A
Tilghman's Special 5-8-12	Salisbury	5.00	5.14	3.75	3.48	1.25	1.66	.30	8.00	9.20	12.00	12.26	402A
‡Tilghman's Mixture A	Salisbury	4.00	4.14	2.80	3.09	1.20	1.05	.40	8.00	9.10	10.00	10.40	279A
Tilghman's Melon Mixture	Salisbury	4.00	4.41	2.00	2.47	2.00	1.94	.30	8.00	9.60	7.00	7.76	225A
Tilghman's Melon Mixture	Salisbury	4.00	4.38	2.00	2.44	2.00	1.94	1.00	8.00	8.80	7.00	7.14	204A
Tilghman's Early Trucker	Salisbury	4.00	4.14	2.80	2.78	1.20	1.36	.60	8.00	9.00	5.00	5.46	75A
Tilghman's Early Trucker	Princess Anne	4.00	4.14	2.80	2.85	1.20	1.29	.80	8.00	8.50	5.00	5.32	31A
†Tilghman's Mixture "B"	Salisbury	3.00	3.00	2.10	2.56	.90	.44	.30	8.00	9.40	10.00	11.02	96A
Tilghman's Mixture "B"	Salisbury	3.00	3.24	2.10	2.08	.90	1.16	.50	8.00	9.20	10.00	10.40	100A
Tilghman's Standard	Salisbury	2.00	2.12	1.40	1.54	.60	.58	.80	9.00	10.90	5.00	6.06	101B
Tilghman's "S. P."	Salisbury	2.00	2.20	1.40	1.57	.60	.63	.60	8.00	9.60	10.00	11.10	94B
Tilghman's "S. P."	Salisbury	2.00	2.18	1.40	1.63	.60	.55	.90	8.00	9.00	10.00	10.50	3A
Tilghman's Grain Mixture	Salisbury	1.00	1.31	.70	.83	.30	.48	.70	10.00	11.10	5.00	5.74	73B
Tilghman's Raw Bone Meal	Salisbury	3.70	4.18	.....	.....	.....	.....	.....	*21.50	*21.50	.....	.....	.....
Tilghman's Superphosphate	Salisbury	.....	.....	.....	.....	.....	.....	.70	16.00	17.80	.....	.....	.....
Towson Nurseries, Inc., Towson, Md.													
†Towson Lawn Food 10-6-4	Towson	10.00	9.74	8.00	6.93	2.00	2.81	1.60	6.00	7.90	4.00	5.59	640A

‡ Not Licensed at time of sale. * Total Phosphoric Acid. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Virginia Potato Manure Special with Magnesium	Queen Anne	6.00	**5.67**	3.60	**3.21**	2.40	**2.46**	**.30**	6.00	**7.20**	5.00	**5.90**	131A
Premier Potato Manure Special	Colora	4.00	**4.00**	3.00	**2.74**	1.00	**1.26**	**.50**	8.00	**8.50**	7.00	**7.00**	67A
‡Vegetable and Fruit Manure	Millington	3.00	**3.02**	2.25	**1.92**	.75	**1.10**	**.40**	8.00	**8.80**	10.00	**10.40**	79A
Vegetable and Fruit Manure	Colora	3.00	**3.09**	2.25	**1.99**	.75	**1.10**	**.40**	8.00	**8.80**	10.00	**10.80**	41A
Corn and Cereal Manure	Colora	2.00	**2.13**	1.00	**1.05**	1.00	**1.08**	**.70**	9.00	**8.70**	5.00	**5.90**	64B
Corn and Cereal Manure	Colora	2.00	**2.13**	1.00	**1.12**	1.00	**1.01**	**.40**	9.00	**9.80**	5.00	**5.20**	23B
Potato and Truck Manure	Colora	2.00	**2.64**	1.00	**1.38**	1.00	**1.26**	**.80**	8.00	**8.90**	10.00	**10.40**	29A
Wheat and Cereal Manure	Colora	1.00	**1.52**	.30	**.73**	.70	**.79**	**1.00**	10.00	**10.40**	5.00	**5.32**	88B
‡16% Superphosphate	Colora							**.20**	16.00	**16.90**			
Valliant Fertilizer Co., Laurel, Del.													
‡Valliant's Winner	Salisbury	4.00	**4.02**	3.60	**3.61**	.40	**.41**	**.90**	8.00	**8.80**	10.00	**10.40**	209A
‡Valliant's Champion	Salisbury	4.00	**4.35**	3.60	**4.13**	.40	**.22**	**.40**	8.00	**8.10**	7.00	**8.00**	336A
Valliant's Champion		4.00	**4.14**	3.60	**3.73**	.40	**.41**	**.40**	8.00	**8.90**	7.00	**8.20**	319A
‡Valliant's Arcadia	Salisbury	4.00	**4.09**	3.60	**3.71**	.40	**.38**	**.40**	8.00	**8.30**	5.00	**5.38**	257A
Valiant's Arcadia		4.00	**4.04**	3.60	**3.61**	.40	**.43**	**.20**	8.00	**9.00**	5.00	**6.44**	270A
Valliant's Diamond		2.00	**2.18**	1.40	**1.78**	.60	**.40**	**.50**	9.00	**9.50**	5.00	**5.40**	42A
Valliant's Jumbo		1.00	**1.26**	.80	**1.01**	.20	**.25**	**.80**	10.00	**10.50**	5.00	**5.50**	52B
Valliant's Superphosphate								**.20**	16.00	**17.60**			
E. S. Valliant & Son, Centreville, Md.													
†Valliant's 6-6-5	Centreville	6.00	**5.22**	5.40	**4.56**	.60	**.66**	**.30**	6.00	**6.00**	5.00	**6.37**	5A
Valliant's 4-8-7	Centreville	4.00	**4.11**	3.50	**3.37**	.50	**.74**	**.40**	8.00	**8.50**	7.00	**8.38**	18A
Valliant's 4-8-5	Centreville	4.00	**4.04**	3.50	**3.30**	.50	**.74**	**1.00**	8.00	**8.10**	5.00	**6.29**	22A
Valliant's 3-8-10	Centreville	3.00	**2.78**	2.60	**2.33**	.40	**.45**	**.40**	8.00	**8.80**	10.00	**10.00**	150B
Valliant's 2-9-5	Centreville	2.00	**2.34**	1.70	**2.04**	.30	**.30**	**.60**	9.00	**9.70**	5.00	**5.20**	11A
Winner 2-8-10	Centreville	2.00	**2.08**	1.60	**1.40**	.40	**.68**	**.40**	8.00	**7.80**	10.00	**12.02**	65B
Winner 2-8-10	Centreville	2.00	**2.32**	1.60	**1.87**	.40	**.45**	**.60**	8.00	**9.50**	10.00	**10.00**	150B
‡Valliant's 1-10-5	Centreville	1.00	**1.04**	.80	**.70**	.20	**.34**	**.90**	10.00	**10.30**	5.00	**6.05**	118B
Valliant's 0-10-10	Centreville							**1.60**	10.00	**10.10**	10.00	**10.24**	
Valliant's 0-10-10	Centreville							**1.50**	10.00	**9.30**	10.00	**10.08**	
Virginia-Carolina Chemical Corp., Baltimore, Md.													
V-C. 6% Truck Fertilizer	Baltimore	6.00	**6.21**	3.60	**3.65**	2.40	**2.56**	**.50**	6.00	**6.30**	5.00	**5.24**	125A

‡Valliant's 1-10-5	Centreville	1.00	1.04	.80	.70	.20	.34	.90	10.00	10.30	5.00	6.05	118B	
Valliant's 0-10-10	Centreville							1.60	10.00	10.10	10.00	10.24		
Valliant's 0-10-10	Centreville							1.50	10.00	9.30	10.00	10.08		
Virginia-Carolina Chemical Corp., Baltimore, Md.														
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.21	3.60	3.65	2.40	2.56	.50	6.00	6.30	5.00	5.24	125A	
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.32	3.60	3.86	2.40	2.46	.70	6.00	6.10	5.00	5.32	76A	
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.04	3.60	3.79	2.40	2.25	.70	6.00	6.20	5.00	5.20	66A	
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.25	3.60	3.90	2.40	2.35	.70	6.00	6.10	5.00	5.31	43A	
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.07	3.60	3.85	2.40	2.22	.70	6.00	6.00	5.00	5.12	17A	
V-C. 6% Truck Fertilizer	Baltimore	6.00	6.00	3.60	3.85	2.40	2.15	.70	6.00	6.00	5.00	5.07	16B	
V-C. Double Owl Brand	Baltimore	4.00	4.16	3.00	2.86	1.00	1.30	.70	8.00	8.20	7.00	7.25	119A	
V-C. Great Truck and Vegetable Com.	Baltimore	4.00	4.18	3.00	2.86	1.00	1.32	.70	8.00	8.60	5.00	5.12	6B	
V-C. Great Truck and Vegetable Com.	Baltimore	4.00	4.02	3.00	2.72	1.00	1.30	.60	8.00	8.50	5.00	5.35	29B	
V-C. Sweet Potato Special	Baltimore	3.00	3.03	2.25	1.97	.75	1.06	.80	8.00	8.00	10.00	10.08	24B	
V-C. Sweet Potato Special	Baltimore	3.00	2.89	2.25	1.99	.75	.90	.60	8.00	8.30	10.00	10.08	0	
V-C. Fish and Potash Compound	Baltimore	2.00	2.15	1.50	1.47	.50	.68	.40	9.00	8.90	5.00	5.31	18A	
V-C. Indian Brand Fertilizer	Baltimore	2.00	2.15	1.50	1.59	.50	.56	.30	8.00	8.10	10.00	10.24	34B	
V-C. 16% Superphosphate	Baltimore							.40	16.00	16.20				
Vita-Vim Co., Baltimore, Md.														
Vita-Vim 6-10-4	Laurel	6.00	6.32	3.50	3.29	2.50	3.03	1.20	10.00	10.70	4.00	5.01		
Westminster Fertilizer Co., Westminster, Md.														
4-8-7	Westminster	4.00	3.98	3.25	3.06	.75	.92	.40	8.00	9.00	7.00	7.96	303A	
2-9-5	Westminster	2.00	2.15	1.40	1.52	.60	.63	.40	9.00	9.00	5.00	6.98	62B	
2-9-5	Westminster	2.00	2.02	1.40	1.47	.60	.55	.50	9.00	8.80	5.00	5.60	34B	
Leader 1-10-5	Westminster	1.00	1.46	.50	.95	.50	.51	.30	10.00	10.10	5.00	6.44	1A	
Leader 1-10-5	Westminster	1.00	2.12	.50	1.61	.50	.51	.40	10.00	9.50	5.00	5.40	3B	
16% Superphosphate	Westminster							.40	16.00	20.20				
Wil-Gro Co., Bridgeboro, N. J.														
‡Wil-Gro	Baltimore	4.00	4.24	3.00	3.09	1.00	1.15	2.10	12.00	14.40	2.00	3.49		
A. S. Woolley Co., Inc., Seaford, Del.														
Woolley's Pride	Federalsburg	4.00	3.62	3.20	2.74	.80	.88	.20	8.00	9.50	5.00	5.98	235A	
†Woolley's Pride	Federalsburg	4.00	4.02	3.20	2.68	.80	1.34	.50	8.00	8.50	5.00	6.40	48A	
†Woolley's Better Crop Fertilizer		3.00	2.86	2.40	1.83	.60	1.03	.70	8.00	8.50	10.00	10.00	42A	
Woolley's Truck Fertilizer		3.00	2.98	2.40	2.06	.60	.92	.70	8.00	9.00	8.00	8.08	46A	
†Woolley's Success Fertilizer	Federalsburg	2.00	1.54	1.50	1.15	.50	.39	.30	9.00	10.10	5.00	4.62	64A	
Woolley's Success Fertilizer		2.00	2.08	1.50	1.26	.50	.82	.60	9.00	10.00	5.00	6.36	131A	
5% Potash Mixture								.70	12.00	12.60	5.00	6.60		
Worcester Fertilizer Co., Snow Hill, Md.														
Worcester's Correct Plant Food Mixture	Snow Hill	6.00	6.01	3.60	3.57	2.40	2.44	.40	6.00	7.00	5.00	5.00	124B	

‡ Not Licensed at time of sale. † Mineral and Organic Findings do not substantiate manufacturers declaration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Worcester Fertilizer Co., Snow Hill, Md. (Cont.)													
Worcester's Correct Plant Food Mix. 6-6-5	Pocomoke City	6.00	**6.15**	3.60	**4.10**	2.40	**2.05**	**.30**	6.00	**6.70**	5.00	**5.40**	**398A**
Worcester's Correct Plant Food Mix. 6-6-5	Pocomoke City	6.00	**5.97**	3.60	**4.07**	2.40	**1.90**	**.40**	6.00	**7.00**	5.00	**5.00**	**304A**
Worcester's Gilt Edge 6-6-5	Snow Hill	6.00	**6.05**	3.60	**3.37**	2.40	**2.68**	**.40**	6.00	**6.50**	5.00	**5.12**	**267A**
‡Worcester's Gilt Edge 6-6-5	Pocomoke City	6.00	**6.00**	3.60	**3.35**	2.40	**2.65**	**.30**	6.00	**6.80**	5.00	**5.40**	**253A**
Worcester's Cor. Plant Food Mix. 4-8-10	Pocomoke City	4.00	**4.21**	2.80	**2.81**	1.20	**1.40**	**.40**	8.00	**8.70**	10.00	**10.40**	**161A**
‡Worcester's Cor. Plant Food Mix. 4-8-10	Snow Hill	4.00	**5.12**	2.80	**3.85**	1.20	**1.27**	**.40**	8.00	**8.00**	10.00	**8.68**	**326A**
Worcester's Cor. Plant Food Mix. 4-8-10	Pocomoke City	4.00	**4.03**	2.80	**2.99**	1.20	**1.04**	**.60**	8.00	**8.90**	10.00	**10.24**	**101A**
‡Worcester's Cor. Plant Food Mix. 4-8-7	Snow Hill	4.00	**3.99**	2.80	**2.49**	1.20	**1.50**	**.20**	8.00	**8.40**	7.00	**7.40**	**118A**
Worcester's Cor. Plant Food Mix. 4-8-7	Pocomoke City	4.00	**4.04**	2.80	**3.03**	1.20	**1.01**	**.30**	8.00	**8.70**	7.00	**7.37**	**103A**
‡†Worcester's Gild Edge 4-8-7	Pocomoke City	4.00	**3.82**	2.00	**1.64**	2.00	**2.18**	**.30**	8.00	**8.30**	7.00	**7.06**	**15A**
Worcester's Cor. Plant Food Mix. 4-8-5	Pocomoke City	4.00	**4.24**	2.80	**3.23**	1.20	**1.01**	**.40**	8.00	**8.30**	5.00	**5.20**	**222A**
Worcester's Cor. Plant Food Mix. 4-8-5	Snow Hill	4.00	**4.17**	2.80	**3.23**	1.20	**.94**	**.20**	8.00	**8.50**	5.00	**5.24**	**205A**
Worcester's Cor. Plant Food Mix. 4-8-5	Snow Hill	4.00	**4.09**	2.80	**2.98**	1.20	**1.11**	**.30**	8.00	**9.20**	5.00	**5.35**	**15A**
‡Worcester's Cor. Plant Food Mix. 3-8-10	Snow Hill	3.00	**3.06**	2.10	**1.99**	.90	**1.07**	**.50**	8.00	**8.40**	10.00	**10.24**	**93A**
Worcester's Cor. Plant Food Mix. 3-8-10	Pocomoke City	3.00	**3.05**	2.10	**2.21**	.90	**.84**	**.50**	8.00	**8.60**	10.00	**10.04**	**17B**
Worcester's Cor. Plant Food Mix. 3-8-10	Snow Hill	3.00	**3.00**	2.10	**2.13**	.90	**.87**	**.50**	8.00	**8.80**	10.00	**10.40**	**61A**
Worcester's Cor. Plant Food Mix. 2-8-10	Pocomoke City	2.00	**2.06**	1.40	**1.59**	.60	**.47**	**.50**	8.00	**8.20**	10.00	**10.00**	**93A**
Worcester's Cor. Plant Food Mix. 2-8-10	Snow Hill	2.00	**2.20**	1.40	**1.74**	.60	**.46**	**.30**	8.00	**8.20**	10.00	**10.40**	**68A**
Worcester's Cor. Plant Food Mix. 2-9-5	Pocomoke City	2.00	**2.33**	1.60	**1.90**	.40	**.43**	**.30**	9.00	**9.50**	5.00	**5.28**	**72A**
Worcester's Cor. Plant Food Mix. 2-9-5	Snow Hill	2.00	**2.15**	1.60	**1.81**	.40	**.34**	**.50**	9.00	**9.60**	5.00	**5.40**	**41A**
‡Worcester's Cor. Plant Food Mix. 1-10-5	Snow Hill	1.00	**1.26**	.80	**.93**	.20	**.33**	**.70**	10.00	**9.80**	5.00	**5.04**	**145B**
Worcester's Cor. Plant Food Mix. 1-10-5	Snow Hill	1.00	**1.12**	.80	**.84**	.20	**.28**	**.50**	10.00	**10.00**	5.00	**5.46**	**34A**
Worcester's 16% Superphosphate	Snow Hill	.....	.....	.....	.....	.....	.....	**1.20**	16.00	**17.20**	.....	.....	.....
‡Worcester's 14% Kainit	Snow Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.00	**14.04**	.....

‡ Not Licensed at time of sale. † Mineral and Organic Findings do not substantiate manufacturers declaration.

FEED ANALYSIS

The results obtained in the chemical and microscopical examination of feeds are found on pages 38 to 116. Feeds are considered seriously deficient as regards chemical analysis when they are 1 per cent or more deficient in protein, or one-half of 1 per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Acorn Feed & Hominy Co., Cumberland, Md.	
Yellow Hominy Feed	Cumberland
*White Hominy Feed	Cumberland
Acton Co., Inc., Philadelphia, Pa.	
Pure Dried Skim Milk	Berlin
Agricultural Corporation of Maryland, Baltimore, Md.	
Md. Productive 24% Dairy Ration	Baltimore
Md. Farm Bureau 16% Dairy Feed Closed Formula	Baltimore
Md. Farm Bureau Egg Mash No. 1	Baltimore
*Md. 18% Egg Mash No. 2	Chestertown
Md. Farm Bureau Laying Mash No. 3, with Alfalfa Leaf Meal	Baltimore
Md. Farm Bureau Laying Mash No. 3, with Alfalfa Leaf Meal, Cod Liver Oil and Sardilene Oil	Baltimore
Md. Farm Bureau Growing Mash, with Meat Scrap	Baltimore
Md. Farm Bureau 85% Horse Feed	Baltimore
Md. Calf Meal	Chestertown
Md. Farm Bureau 40% Supplement Hog Meal	Baltimore
Md. Hog Meal 18%	Baltimore
Md. Farm Bureau Chick Grains Open Formula	Baltimore
Md. Farm Bureau Intermediate Scratch Grains	Baltimore
Albers Bros. Milling Co., Seattle, Wash.	
Calf Manna	Chestertown
E. T. Allen Co., Atlanta, Ga.	
‡Premier 45% Protein Peanut Meal	New Windsor
Premier 45% Protein Peanut Meal	Baltimore
‡Empire 41% Protein Peanut Meal	Woodbine
Empire 41% Protein Cottonseed Meal	Medford
*Empire 41% Protein Cottonseed Meal	Sykesville
‡Empire 41% Protein Cottonseed Meal	Woodbine
G. A. Allender, Elkton, Md.	
Dandy Meat and Bone Meal	Elkton
Dandy 24% Dairy Feed	Elkton
Dandy 16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Dandy Starting and Growing Mash	Elkton
Dandy Scratch Feed	Elkton
Allen & Wheeler Co., Troy, Ohio	
Trojan Pure Spring Bran	Cumberland
Trojan Standard Spring Middlings, with M. R. S.	Cumberland
Allied Mills, Inc., Chicago, Ill.	
Wayne 32% Farm Mix Dairy Feed	Cambridge
Wayne 32% Farm Mix Dairy Feed	Maugansville
Wayne 24% Dairy Feed	Salisbury
‡Amco 20% Dairy Ration	Grantsville
Empire 16½% Dairy Ration	Salisbury

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.96	9.00	10.88	3.00	6.44	5.00	4.56	2.46	64.70	As declared on sack
11.78	10.00	9.30	6.00	5.16	5.00	2.44	1.78	69.54	" "
.....	32.00	34.49	.75	x1.42	.....	.....	8.08	.....	" "
9.67	24.00	25.73	3.50	4.18	9.00	7.13	7.09	46.20	" "
10.48	16.00	19.84	3.00	3.77	12.00	10.49	7.20	48.22	" "
10.82	20.00	21.94	4.00	4.22	7.50	5.48	8.40	49.14	A.
8.52	18.00	15.80	4.00	4.63	7.00	7.74	7.60	55.71	As declared on sack
10.61	18.50	19.48	4.00	4.73	8.00	7.84	7.45	49.89	" "
10.49	18.50	20.01	4.00	4.44	8.00	6.93	7.93	50.20	" "
9.61	17.00	17.90	4.00	4.44	8.00	5.97	6.14	55.94	" "
10.68	9.00	11.55	3.00	3.31	9.00	7.60	3.54	63.32	" "
8.40	18.50	18.51	3.00	4.23	4.00	4.11	6.40	58.35	" "
7.78	40.00	43.35	5.00	5.95	9.00	6.58	17.40	18.94	" "
10.18	18.00	20.18	4.00	4.08	5.00	3.39	6.67	55.50	" "
11.47	10.00	10.97	2.00	2.98	3.00	1.79	2.65	70.14	" "
10.96	10.00	11.23	2.00	2.67	3.00	1.99	2.98	70.17	" "
7.89	25.00	26.50	4.00	4.99	5.00	2.61	7.05	50.96	" "
6.12	45.00	45.63	7.00	8.96	10.00	12.81	3.40	23.08	" "
6.65	45.00	45.46	7.00	8.60	10.00	13.59	4.65	21.06	" "
6.01	41.00	44.84	6.00	7.97	12.00	13.62	4.10	23.46	" "
6.42	41.00	41.07	5.50	6.19	13.00	12.08	6.50	27.74	" "
6.08	41.00	39.84	5.50	6.36	13.00	14.20	6.30	27.22	" "
7.30	41.00	41.59	5.50	5.73	13.00	11.67	6.63	27.08	" "
6.00	50.00	50.55	6.00	9.08	3.00	2.24	27.60	4.53	" "
8.99	24.00	25.27	5.00	6.78	9.00	7.33	5.78	45.85	" "
9.48	16.00	17.38	3.50	4.04	12.00	11.40	5.64	52.06	" "
9.24	20.00	22.29	4.50	5.89	9.00	6.84	11.23	44.51	" "
9.06	17.00	18.43	3.50	4.78	6.00	4.38	7.77	55.58	" "
11.37	9.00	9.92	2.50	2.94	5.00	3.22	1.73	70.82	" "
9.35	14.50	17.55	4.00	3.93	9.50	9.59	6.12	53.46	" "
9.19	14.00	17.90	4.00	5.17	9.50	5.60	4.80	57.34	" "
8.01	32.00	33.98	4.00	5.89	9.00	8.47	10.46	33.19	" "
8.01	32.00	35.39	4.00	5.50	9.00	7.72	9.29	34.09	" "
9.81	24.00	25.85	4.00	4.85	9.00	8.55	7.20	43.74	" "
9.03	20.00	22.80	4.00	3.94	9.00	6.72	7.72	49.79	" "
9.09	16.50	18.37	3.00	4.14	12.00	8.52	7.11	52.77	" "

A—Also detected Corn Gluten Feed.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Allied Mills, Inc., Chicago, Ill. (Continued)		
Empire 16½% Dairy Ration	Maugansville	9.89
‡Sucrene 16½% Dairy Ration	Grantsville	9.11
Empire Egg Mash, with Sardine Oil	Salisbury	8.10
Wayne Egg Mash, with Sardine Oil	Salisbury	8.89
Wayne Egg Mash	Cumberland	9.42
Wayne Egg Mash	Frederick	9.16
Empire Egg Mash	Maugansville	9.93
Wayne Growing Mash, with Sardine Oil	Maugansville	7.29
Wayne Poultry Fattener	Maugansville	9.63
‡Amco Tip Top Mash	Grantsville	8.73
Wayne Broiler Ration	Salisbury	8.36
Wayne Broiler Ration	Maugansville	9.22
Wayne 40% Hog Supplement	Salisbury	8.80
Wayne Pig Starter	Cumberland	11.18
‡Amco Calf Meal	Grantsville	8.04
‡Amco Starting and Growing Mash	Grantsville	8.89
Empire Starter and Grower, with Sardine Oil	Hancock	9.03
Wayne Chick Starter, with Sardine Oil	Maugansville	8.82
Empire Scratch Feed	Cumberland	10.79
Empire Scratch Feed	Cumberland	11.90
Wayne Scratch Feed	Cumberland	12.02
Universal Scratch Grains	Grantsville	11.04
Wayne Turkey Mash	Cockeysville	10.05
American Stores Co., Philadelphia, Pa.		
Farmdale Laying Mash	Frostburg	8.00
Farmdale Scratch Grains	Frostburg	10.02
Anderson Grain & Feed Co., Inc., York, Pa.		
Anderson's 16 Dairy Feed	Hagerstown	9.01
Anderson's 20 Laying Mash, with DBM	Hagerstown	7.64
‡White Rose Growing Mash	Hagerstown	8.18
‡Anderson's Crate Fattening Mash	Jarrettsville	10.20
J. T. 85% Horse Feed	Baltimore	8.75
Anderson's 16 Hog Meal	Hagerstown	10.08
Anderson's All Mash Starter and Grower	Hagerstown	8.93
Anderson's Chick Feed	Hagerstown	9.04
Anderson's Scratch Feed	Hagerstown	9.55
Angle Roller Mills, Berkeley Springs, W. Va.		
Pure Soft Winter Wheat Bran	Big Spring	8.81
Anne Arundel County Farmers Association, Baltimore, Md.		
Anarco 26% Dairy Feed	Baltimore	8.94
Anarco Egg Mash, with BM. and Cod Liver Oil	Baltimore	6.64
Anarco Egg Mash, with BM. and Cod Liver Oil	Baltimore	9.47
Anarco Growing Mash, with BM. and Cod Liver Oil	Baltimore	9.81
Anarco 21% Hog Feed	Baltimore	8.91
Anarco Baby Chick Starter Mash, with BM. & Cod Liver Oil	Baltimore	10.46
Anarco Baby Chick Grains	Baltimore	11.65
Anarco Intermediate Scratch Feed	Baltimore	11.22
Anarco Scratch Feed	Baltimore	7.39

‡ Not Licensed at time of Sale.

A—Un
B—Ing
C—Fib

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.89	16.50	18.78	3.00	4.57	12.00	9.41	7.91	49.44	As declared on sack
9.11	16.50	18.74	3.00	4.40	12.00	8.41	7.26	52.08	" "
8.10	16.50	17.20	3.50	4.68	7.00	6.26	7.26	56.50	" "
8.89	18.00	17.99	3.50	5.43	7.00	6.01	9.16	52.52	" "
9.42	18.00	18.25	3.50	4.45	7.00	5.51	7.52	54.85	" "
9.16	18.00	18.60	3.50	4.22	7.00	6.19	9.10	52.73	" "
9.93	16.50	18.08	3.50	4.65	7.00	6.06	8.15	53.13	" "
7.29	16.00	18.87	4.00	5.63	6.00	5.50	10.11	52.60	" "
9.63	13.50	15.80	3.50	3.78	8.00	6.08	3.20	61.51	" "
8.73	17.50	18.43	3.50	5.27	7.00	7.19	5.19	55.19	" "
8.36	18.00	19.57	3.50	5.25	8.00	6.61	9.03	51.18	" "
9.22	18.00	18.52	3.50	5.05	8.00	6.21	8.54	52.46	" "
8.80	40.00	42.86	4.50	5.67	8.00	6.19	12.17	24.31	" "
11.18	18.00	18.00	3.50	4.83	7.00	4.52	7.94	53.53	" "
8.04	24.00	25.62	4.00	5.40	7.00	6.52	9.01	45.41	" "
8.89	17.00	19.31	4.00	4.25	6.00	4.88	7.78	54.89	" "
9.03	16.00	17.29	3.50	4.63	6.00	4.66	7.97	56.42	" "
8.82	17.00	18.95	4.00	6.09	6.00	5.40	8.02	52.72	" "
10.79	9.00	11.06	2.50	2.47	4.00	3.04	1.62	71.02	" "
11.90	9.00	10.09	2.50	2.45	4.00	2.78	1.26	71.52	" "
12.02	10.00	10.53	2.50	2.45	4.00	2.86	1.15	70.99	" "
11.04	9.00	11.06	2.50	3.22	4.00	3.62	1.52	69.54	" "
10.05	15.00	17.06	3.50	5.19	8.00	6.67	8.94	52.09	" "
8.00	20.00	20.53	5.00	4.90	7.00	6.24	10.42	49.91	" "
10.02	10.00	10.79	2.50	2.49	4.00	2.90	2.24	71.56	A.
9.01	16.00	17.65	3.50	4.51	12.00	12.52	10.10	46.21	As declared on sack
7.64	20.00	22.99	4.00	5.27	8.00	7.67	10.26	46.17	" "
8.18	16.00	17.81	4.00	5.06	7.00	5.79	8.05	55.11	" "
10.20	15.00	16.50	4.50	5.46	6.00	5.08	6.18	56.58	" "
8.75	8.00	11.33	2.50	4.14	12.00	6.66	3.69	65.43	" "
10.08	16.00	19.89	4.00	5.22	10.00	6.91	9.27	48.63	" "
8.93	16.00	18.25	4.00	4.80	6.50	4.29	9.18	54.55	" "
9.04	9.00	11.67	2.00	3.53	5.00	1.67	2.07	72.02	B.
9.55	9.00	11.41	2.50	2.68	5.00	2.45	2.05	71.86	As declared on sack
8.81	14.00	15.97	4.00	4.06	9.00	8.07	6.14	56.95	C.
8.94	26.00	25.97	5.00	5.08	9.00	9.21	6.99	43.81	As declared on sack
6.64	22.00	25.01	5.00	5.50	8.00	4.73	13.40	44.72	" "
9.47	22.00	25.10	5.00	5.94	8.00	5.04	13.78	40.67	" "
9.81	17.00	18.43	5.00	6.17	6.00	4.70	8.90	51.99	" "
8.91	21.00	21.50	6.00	5.85	7.00	8.12	8.75	46.87	" "
10.46	18.00	17.99	4.50	4.86	5.50	4.13	7.38	55.18	" "
11.65	10.00	12.19	2.50	5.83	3.00	1.99	2.22	66.12	" "
11.22	10.00	10.35	2.50	4.79	3.00	1.86	2.74	69.04	" "
7.39	10.00	10.53	2.50	2.81	4.00	2.37	1.57	75.33	" "

A—Unable to detect Barley and Sunflower Seed.
B—Ingredients on sack differ from license.
C—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Arcady Farms Milling Co., Chicago, Ill.	
‡Advanced Registry Dairy Feed	Mt. Airy
Arcady Sweet 16% Dairy Feed	Mt. Airy
Provo 16% Dairy Feed	Mt. Airy
Arcady Wonder Laying Mash	Mt. Airy
Sunkist Egg Mash	Oakland
Arcady—Wonder Growing Mash	Mt. Airy
‡Wonderfat Station Feed	Baltimore
‡†Wonder 35% Poultry Concentrate	Mt. Airy
‡Arcady—Wonder Starting Mash	Mt. Airy
‡Wonder Sugared Stock Feed	Oakland
‡*Wonder Hog Feed	Mt. Airy
‡Wonder Calf Meal	Mt. Airy
Wonder Calf Meal	Salisbury
‡Sunkist Chick Grains	Baltimore
Arcady—Wonder Complete All Mash Chick Starter	Oakland
Sunkist Scratch Grains	Baltimore
‡Wonder Pigeon Feed	Salisbury
‡Wonder Rabbit Feed	Salisbury
Ashcraft-Wilkinson Co., Atlanta, Ga.	
Hi-Pro Brand Prime Peanut Meal 45%	Cardiff
Hi-Pro Brand Prime Peanut Meal 45%	Frederick
Hi-Pro Brand Prime Peanut Meal 45%	Cardiff
Hi-Pro Brand Prime Peanut Meal 45%	Baltimore
Hi-Pro Brand Prime Peanut Meal 45%	Baltimore
‡Hi-Pro Brand Prime Peanut Meal 41%	Baltimore
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Frederick
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Hagerstown
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Taneytown
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Ellicott City
*Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Maugansville
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Cardiff
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Germantown
Paramount Brand Prime Cotton Seed Meal	Baltimore
Paramount Brand Prime Cotton Seed Meal	Washington Grove
Paramount Brand Prime Cotton Seed Meal	Woodbine
Paramount Brand Prime Cotton Seed Meal	Medford
Balfour, Guthrie & Co., Limited, San Francisco, Calif.	
Soya Bean Oil Cake Meal "Crown" Brand	Rising Sun
Soya Bean Oil Cake Meal "Crown" Brand	Derwood
Soya Bean Oil Cake Meal "Crown" Brand	Gaithersburg
Soya Bean Oil Cake Meal "Crown" Brand	Keymar
Soya Bean Oil Cake Meal "Crown" Brand	Westminster
Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. Fish Meal	La Plata
BBL. 20% Dairy Feed	La Plata
BBL. 16½% Dairy Feed	La Plata
BBL. Egg Mash, with Milk and Minerals	Baltimore
BBL. Improved Laying Mash	Baltimore
BBL. All Mash Laying Ration	Baltimore

* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.11	25.00	26.41	4.00	3.71	10.00	7.92	12.30	42.55	" "
10.38	16.00	15.95	4.00	3.59	12.50	5.94	10.60	53.54	" "
10.18	16.00	16.28	3.00	4.14	13.50	10.78	12.13	46.49	" "
8.79	20.00	21.15	4.00	5.10	7.00	6.11	12.44	46.41	" "
8.59	20.00	21.32	4.00	4.12	8.00	9.05	12.46	44.46	" "
9.18	17.00	17.46	4.00	4.81	7.00	6.70	10.68	51.17	" "
10.51	12.50	15.53	4.50	5.44	6.00	5.29	5.59	57.64	B.
6.70	35.00	32.99	6.00	5.20	6.00	5.89	22.73	26.49	As declared on sack
9.09	16.00	17.72	4.50	4.54	6.00	5.72	10.07	52.86	" "
12.10	10.00	10.45	3.00	3.02	12.00	7.84	9.63	56.96	E.
10.48	18.00	18.30	4.50	3.62	7.00	6.26	10.67	50.67	As declared on sack
8.61	25.00	26.76	5.00	4.88	7.00	5.70	6.67	47.38	" "
9.30	25.00	27.55	5.00	5.77	7.00	5.43	7.08	44.87	" "
11.35	10.00	10.79	2.50	2.34	5.00	1.46	1.10	72.96	" "
8.95	17.00	17.20	5.00	4.70	5.00	5.23	8.45	55.47	" "
10.72	10.00	11.41	2.50	2.62	5.00	2.52	1.20	71.53	A.
11.03	10.00	11.06	2.50	3.18	6.50	3.99	2.42	68.32	As declared on sack
10.81	12.00	12.68	3.50	3.38	8.00	6.23	5.94	60.96	" "
6.75	45.00	44.75	6.00	8.78	10.00	14.82	4.40	20.40	" "
6.73	45.00	47.83	6.00	8.22	10.00	11.78	5.45	19.99	" "
5.64	45.00	45.11	6.00	8.77	10.00	13.76	3.86	22.86	" "
6.15	45.00	46.33	6.00	8.73	10.00	11.82	4.90	22.07	" "
5.54	45.00	46.51	6.00	9.29	10.00	11.88	4.27	22.51	" "
7.02	41.00	45.98	6.00	7.62	10.00	13.06	5.06	21.26	" "
6.61	41.00	41.86	5.00	5.59	13.00	11.98	7.51	26.45	" "
7.37	41.00	40.37	5.00	6.10	13.00	11.74	6.66	27.76	" "
6.71	41.00	41.94	5.00	5.97	13.00	11.54	4.93	28.91	" "
7.27	41.00	41.42	5.00	5.79	13.00	9.88	6.26	29.38	" "
7.04	41.00	38.96	5.00	6.09	13.00	13.82	6.32	27.77	" "
7.04	41.00	40.54	5.00	5.87	13.00	11.45	5.95	29.15	" "
7.03	41.00	40.19	5.00	6.19	13.00	11.57	6.38	28.64	" "
6.00	36.00	36.33	4.50	7.51	16.00	8.71	8.39	33.06	D.
7.46	36.00	37.21	4.50	5.01	16.00	9.28	8.82	32.22	C.
9.20	36.00	37.56	4.50	10.08	16.00	7.19	10.10	25.87	C.
6.90	36.00	36.68	4.50	9.34	16.00	7.52	9.82	29.74	C.
8.70	42.00	45.28	4.50	6.99	6.00	5.91	5.94	27.18	As declared on sack
8.06	42.00	43.61	4.50	7.49	6.00	5.06	6.13	29.65	" "
7.76	42.00	44.75	4.50	7.25	6.00	5.15	5.92	29.17	" "
9.01	42.00	44.23	4.50	7.23	6.00	5.39	6.50	27.64	" "
8.86	42.00	44.32	4.50	6.99	6.00	5.21	6.74	27.88	" "
7.24	55.00	59.15	6.00	5.96	2.00	.58	17.73	9.34	" "
8.89	20.00	20.39	4.50	4.04	12.00	6.95	6.13	53.60	" "
10.12	16.50	17.05	3.00	3.47	13.00	8.58	9.11	51.67	" "
8.34	20.00	23.17	4.50	5.83	9.00	7.63	9.02	46.01	" "
8.93	20.00	20.53	4.00	5.74	6.50	5.39	9.56	49.85	" "
11.08	15.00	16.23	4.00	4.94	5.50	5.44	7.85	54.46	" "

B—Also detected Ground Yellow Corn and Wheat Middlings.
E—Also detected Whole and parts of Weed Seeds, indicating presence of Screenings.
A—Unable to detect Milo Maize and Kaffir Corn.
D—Fibre guarantee on sack differs from license.
C—Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Baltimore Feed & Grain Co., Baltimore, Md. (Continued)		
BBL. Cod Mlk O Gro., with DBM., Cod Liver Oil and Mineral Supplement	Baltimore	9.73
BBL. Growing Mash, with DBM. and Minerals	Pocomoke City	7.70
BBL. All Mash Starting and Growing Mash	Baltimore	10.54
BBL. Cod Mlk O Lay Breeding Mash	Baltimore	9.49
BBL. Broiler Feed	Baltimore	8.82
BBL. 85% Horse Feed	Baltimore	9.69
BBL. 40% Horse Feed	Baltimore	10.19
BBL. Hog Feed	Baltimore	9.98
BBL. All Mash Chick Starter, with DBM., Cod Liver Oil and Minerals	Baltimore	10.02
BBL. Cod Mlk O Chick Starter, with DBM., Cod Liver Oil and Minerals	Pocomoke City	7.63
BBL. Chick Developer	Baltimore	10.49
BBL. Baby Chick Feed	Baltimore	11.01
BBL. Recleaned Scratch Feed	Baltimore	11.79
BBL. Special Scratch	Baltimore	12.59
BBL. Victory Scratch Feed	Baltimore	9.73
BBL. Breeding Pigeon Feed	Baltimore	10.79
BBL. Special Breeding Pigeon Feed	Baltimore	11.40
Baltimore Pure Rye Distilling Co., Dundalk, Md.		
Dried Rye Distillers' Grains	Aberdeen	6.25
Dried Rye Distillers' Grains	Linwood	7.48
Baugh & Sons Co., Baltimore, Md.		
Duplex Egg Producer Pure Meat Scrap	Sykesville	6.21
Duplex Egg Producer Pure Meat Scrap	Baltimore	6.12
‡Duplex Egg Producer Pure Meat Scrap	Salisbury	6.40
Baugh's Oldest Brand Meat and Bone Scrap	Gaithersburg	6.91
Baugh's Oldest Brand Meat and Bone Scrap	Chestertown	6.54
Baugh's 45% Meat and Bone Scrap	Cardiff	6.34
Baugh's 58% Fish Meal	Frederick	5.98
Baugh's 58% Fish Meal	Detour	7.57
Baugh's Sterilized Steamed Bone for Feeding	Keymar	3.51
‡Baugh's No. 1 Laying Mash	Salisbury	8.23
Beacon Milling Co., Inc., Cayuga, N. Y.		
Auburn Brand Dairy Feed	Easton	11.07
Beacon's Cayuga Growing Mash	Easton	7.69
‡Beacon's Cayuga Horse Feed	Easton	11.87
Beacon's Complete Starting Ration	Easton	7.85
Beacon's Turkey Starter	Easton	6.95
J. L. Beauchamp & Sons, Delmar, Del.		
Delmar Laying Mash	Salisbury	8.32
J. B. Laying Mash	Salisbury	10.21
J. B. All Mash Grower, with BM. and Cod Liver Oil	Salisbury	9.20
J. B. Scratch Feed	Salisbury	10.58
G. T. Bell & Son, Federalsburg, Md.		
Pure Wheat Bran	Federalsburg	7.94
*Pure Wheat Middlings	Federalsburg	11.76

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
9.73	18.00	19.57	4.50	5.53	6.50	4.45	8.91	51.81	As declared on sack	
7.70	17.50	17.90	5.00	5.47	7.50	7.92	10.66	50.35	"	"
10.54	14.00	15.27	3.50	4.84	4.00	3.25	7.12	58.98	"	"
9.49	20.00	21.41	4.00	6.14	6.50	5.59	9.77	47.60	"	"
8.82	18.00	18.78	4.50	5.70	6.00	5.24	7.95	53.51	"	"
9.69	9.00	9.16	3.50	3.35	9.00	5.53	5.01	67.26	"	"
10.19	7.00	9.24	2.50	2.64	13.00	6.61	6.63	64.69	"	"
9.98	18.00	19.31	4.50	5.39	8.00	7.14	5.98	52.20	"	"
10.02	14.00	15.45	4.00	5.13	3.00	2.86	8.34	58.20	"	"
7.63	16.00	17.90	4.50	5.98	5.00	4.08	8.03	56.38	"	"
10.49	10.00	10.71	3.00	3.24	3.00	2.52	2.10	70.94	"	"
11.01	10.00	11.41	3.00	2.53	3.00	1.86	1.80	71.39	"	"
11.79	10.00	9.48	3.00	3.34	3.00	2.51	1.40	71.48	"	"
12.59	10.50	9.65	3.00	2.93	2.50	1.74	1.56	71.53	"	"
9.73	10.00	9.48	3.00	2.79	3.00	2.18	1.50	74.32	"	"
10.79	14.00	16.32	3.00	3.22	4.00	4.36	2.18	63.13	"	"
11.40	14.00	13.69	3.00	3.52	4.00	3.68	2.42	65.29	"	"
6.25	16.00	15.53	5.00	7.48	20.00	18.04	1.63	51.07	"	"
7.48	16.00	16.23	5.00	7.92	20.00	16.30	1.50	50.57	"	"
6.21	55.00	55.29	6.00	11.07	3.00	2.77	24.55	.11	"	"
6.12	55.00	55.72	6.00	10.74	3.00	2.29	25.08	.05	"	"
6.40	55.00	55.81	6.00	11.06	3.00	2.60	23.10	1.03	"	"
6.91	50.00	50.46	6.00	9.99	3.00	2.47	29.80	.37	"	"
6.54	50.00	51.07	6.00	12.33	3.00	2.29	25.40	2.37	"	"
6.34	45.00	45.19	6.00	9.71	3.00	2.46	34.30	2.00	"	"
5.98	58.00	61.43	5.00	4.58	3.00	.69	22.42	4.90	"	"
7.57	58.00	59.94	5.00	6.32	3.00	1.45	22.46	2.26	"	"
3.51	5.00	5.88	.20	1.35	4.00	.61	86.22	2.43	"	"
8.23	20.00	20.53	4.00	5.09	7.00	6.83	8.66	50.66	"	"
11.07	20.00	20.60	4.00	3.91	10.00	6.78	6.36	51.28	"	"
7.69	15.00	17.55	4.00	4.40	7.00	5.70	11.30	53.36	"	"
11.87	10.00	11.78	2.50	4.63	9.00	5.57	3.24	62.91	"	"
7.85	17.50	18.16	4.00	4.67	6.00	5.45	9.51	54.36	"	"
6.95	24.00	23.96	4.00	4.93	6.00	4.64	12.13	47.39	"	"
8.32	20.00	20.01	4.00	5.44	8.00	5.92	9.80	50.51	"	"
10.21	16.00	17.02	4.50	4.45	8.00	4.67	9.70	53.95	"	"
9.20	17.00	18.08	4.50	5.23	7.00	4.54	9.65	53.30	"	"
10.58	8.81	9.48	3.46	4.60	4.08	2.91	1.87	70.56	"	"
7.94	14.50	14.57	4.00	4.68	9.00	9.37	6.78	56.66	"	"
11.76	15.00	14.04	4.00	3.26	5.00	2.32	2.10	66.52	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
J. P. Bennett & Sons, Mardela Springs, Md.		
Bennett's Best Laying Mash	Mardela Springs	8.5
D. M. Laying Mash	Mardela Springs	7.6
Bennett's Best Growing Mash	Mardela Springs	9.7
Bennett's Best Hog Feed	Mardela Springs	8.6
Bennett's Best Developing Ration	Mardela Springs	9.4
Bennett's Best Chick Starter	Mardela Springs	9.9
Bennett's Best Scratch Feed	Mardela Springs	11.0
Berlin Feed Store, Berlin, Md.		
B-F-S. Laying Mash	Berlin	8.8
B-F-S. Starter and Growing Mash	Berlin	9.3
Berlin Milling Co., Inc., Berlin, Md.		
Economy Starter and Broiler Mash	Berlin	9.32
Berlin Milling Co., Inc., Salisbury, Md.		
Economy Laying Mash	Salisbury	8.42
Economy Growing Mash	Salisbury	8.58
Economy Starter and Broiler Mash	Salisbury	8.65
*Economy Starter and Broiler Mash	Salisbury	9.30
Joseph Beste & Son, Wilmington, Del.		
‡Beste's Meat and Bone Scrap	Elkton	6.58
Geo. W. Biles Co., Inc., Elkton, Md.		
Cecil County Dairy Feed	Elkton	8.57
Cecil County Laying Mash	Elkton	8.51
Cecil County Chick Starter	Elkton	10.45
*Cecil County Corn and Oats	Elkton	11.81
*Cecil County Corn Meal Chop	Elkton	12.27
Bisbee Linseed Co., Philadelphia, Pa.		
Bisbee Brand 34% Protein Pure O. P. Linseed Meal	Chewsville	8.99
Bisbee Brand 34% Protein Pure O. P. Linseed Meal	Rising Sun	8.27
Bisbee Brand 34% Protein Pure O. P. Colza Oil Meal	Maugansville	7.71
Black Rock Milling Corp., Buffalo, N. Y.		
‡Doublex XX 20% Dairy Ration	Walkersville	10.65
Blatchford Calf Meal Co., Waukegan, Ill.		
‡Blatchford's V. D. Milk Saver	Ellicott City	8.09
‡Blatchford's Calf Meal	Ellicott City	8.90
Bowman Bros., Gaithersburg, Md.		
Gilt Edge 26% Dairy Feed	Gaithersburg	7.41
Gilt Edge Laying Mash	Gaithersburg	8.87
Gilt Edge Growing Mash	Gaithersburg	9.44
Pure Wheat Bran	Gaithersburg	10.54
Winter Wheat Middlings, with M. R. S.	Gaithersburg	9.39
Gilt Edge Starting Mash	Gaithersburg	8.10
Gilt Edge Scratch Feed	Gaithersburg	12.05

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.57	20.00	**20.71**	4.00	**5.21**	9.00	**5.76**	12.80	46.95	As declared on sack
7.60	20.00	**21.41**	4.00	**5.29**	9.00	**5.10**	14.86	45.74	" "
9.70	16.00	**17.90**	4.00	**4.21**	8.00	**5.53**	7.62	55.04	" "
8.66	16.00	**17.72**	4.00	**4.90**	8.00	**6.03**	12.30	50.39	A.
9.48	16.00	**17.72**	4.00	**4.02**	8.00	**4.66**	8.96	55.16	As declared on sack
9.96	15.00	**15.36**	4.00	**4.37**	7.00	**3.06**	8.45	58.80	" "
11.08	10.00	**10.00**	2.00	**3.27**	4.00	**2.43**	3.00	70.22	" "
8.89	20.00	**20.01**	4.00	**4.75**	6.00	**5.29**	14.25	46.81	" "
9.35	17.00	**16.23**	4.00	**4.38**	6.00	**4.57**	11.41	54.06	" "
9.32	18.00	**17.38**	4.50	**4.49**	4.50	**5.05**	9.52	54.24	" "
8.42	19.00	**18.62**	5.00	**5.16**	6.50	**8.20**	11.50	48.10	B.
8.58	15.00	**15.88**	4.50	**4.51**	5.00	**7.09**	10.06	53.88	B.
8.65	18.00	**19.04**	4.50	**4.22**	4.50	**5.26**	10.97	51.86	As declared on sack
9.30	18.00	**16.98**	4.50	**4.86**	4.50	**4.34**	9.61	54.91	" "
6.58	50.00	**50.11**	6.00	**8.64**	3.00	**2.06**	31.01	1.70	" "
8.57	24.00	**25.80**	4.00	**4.25**	9.00	**7.72**	6.94	46.72	" "
8.51	20.00	**21.41**	4.00	**5.50**	8.00	**6.70**	7.00	50.88	" "
10.45	14.00	**15.36**	4.00	**4.36**	6.00	**2.35**	5.73	61.75	" "
11.81	8.00	**10.00**	4.00	**3.14**	8.00	**4.79**	2.70	67.56	" "
12.27	7.00	**9.21**	4.00	**2.12**	5.00	**1.99**	1.59	72.82	" "
8.99	34.00	**33.96**	5.00	**5.90**	10.00	**8.55**	6.40	36.20	D.
8.27	34.00	**34.58**	5.00	**6.46**	10.00	**8.47**	6.25	35.97	E.
7.71	34.00	**33.61**	4.50	**11.07**	10.00	**7.50**	7.58	32.53	As declared on sack
10.65	20.00	**20.14**	4.00	**3.95**	11.00	**7.85**	7.44	49.97	" "
8.09	31.00	**32.56**	5.00	**4.73**	5.75	**4.90**	10.90	38.82	" "
8.90	24.00	**28.08**	5.00	**4.93**	6.70	**6.77**	8.10	43.22	" "
7.41	26.00	**25.97**	5.00	**5.13**	9.00	**10.16**	8.38	42.95	" "
8.87	19.00	**19.48**	5.00	**5.60**	6.00	**6.28**	8.25	51.52	C.
9.44	16.00	**16.23**	3.50	**5.09**	6.00	**4.39**	6.39	58.46	As declared on sack
10.54	13.50	**14.74**	3.20	**3.91**	9.27	**9.06**	7.32	54.43	" "
9.39	15.00	**15.97**	4.00	**4.33**	6.00	**4.05**	4.27	61.99	" "
8.10	17.00	**17.20**	3.50	**5.36**	5.00	**3.94**	**6.86**	58.54	" "
12.05	9.00	**10.53**	2.00	**2.02**	4.00	**2.40**	1.46	71.54	" "

A—Fibre guarantee and Ingredients on sack differ from license. Also detected Ground Oyster Shell.
B—Also detected Charcoal.
D—Acid Insoluble Ash .70%.
E—Acid Insoluble Ash .44%.
C—Also detected Linseed Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bradley & Baker, Baltimore, Md.	
Soya Bean Oil Meal	Baltimore
55% Meat Scrap	Baltimore
*55% Meat Scrap	Baltimore
55% Meat Scrap	Baltimore
50% Meat and Bone Scrap	Baltimore
50% Meat and Bone Scrap	Frederick
50% Meat and Bone Scrap	Baltimore
45% Meat and Bone Scrap	Baltimore
45% Meat and Bone Scrap	Baltimore
Fish Meal	Baltimore
Dried Beet Pulp	Baltimore
C. H. Braun & Sons, Inc., Baltimore, Md.	
Encore Brand 45% Meat and Bone Scrap	Baltimore
*Encore Brand 45% Meat and Bone Scrap	Hagerstown
Encore Brand 45% Meat and Bone Scrap	Hagerstown
Brooks Supply Co., Reisterstown, Md.	
"Brooks Special" Egg Mash	Reisterstown
P. M. Brooks, Chestertown, Md.	
‡Rose Bud 20% Special Dairy Feed	Chestertown
‡Rose Bud Egg Mash	Chestertown
‡Rose Bud Poultry Grains	Chestertown
‡Pure Wheat Bran	Chestertown
‡Pure Wheat Middlings	Chestertown
Brook's Rose Bud Turkey Mash	Chestertown
Herbert Bryant, Inc., Alexandria, Va.	
*Meat Scrap for Poultry	Washington Grove
*Meat Scrap for Poultry	Washington Grove
‡*Meat Scrap for Poultry	Chaptico
Pure Ground Fish for Poultry	Washington Grove
Bryant's Home 32% Dairy Feed	Washington Grove
Bryant's Home 26% Dairy Feed	Washington Grove
Bryant's 20% Prize-Winner Dairy Feed	Washington Grove
Bryant's Home Laying Mash	Dickerson
Bryant's Home Growing Mash	Washington Grove
Corn Feed Meal	Washington Grove
Bryant's Home Chick Starter	Washington Grove
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Powder Skim Milk	Chestertown
California Grain & Milling Co., Oakland, Calif.	
‡Ground Barley Feed	Ellicott City
Calvary Roller Mill, Aberdeen, Md.	
Pure Grain Dairy Ration	Aberdeen
Calvary Laying Mash	Aberdeen
Pure Wheat Bran	Aberdeen
†Pure Wheat Middlings	Aberdeen

* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein Guaranteed	Protein Found	Fat Guaranteed	Fat Found	Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients
9.91	42.00	41.94	6.00	7.60	12.00	5.98	3.34	31.23	As declared on sack
5.55	55.00	59.76	6.00	12.42	3.00	2.48	21.71	.....	" "
5.83	55.00	52.48	6.00	13.27	3.00	2.05	25.83	.54	" "
6.16	55.00	60.38	6.00	11.78	3.00	1.91	19.72	.05	" "
6.44	50.00	51.07	6.00	12.04	3.00	1.86	25.22	3.37	" "
6.22	50.00	49.41	6.00	13.20	3.00	1.92	27.60	1.65	" "
7.65	50.00	51.51	6.00	12.65	3.00	2.64	24.48	1.07	" "
5.83	45.00	44.75	6.00	14.37	3.00	1.99	31.45	1.61	" "
6.92	45.00	47.56	6.00	12.18	3.00	1.81	29.00	2.53	" "
9.64	58.00	61.08	5.00	6.90	2.00	.45	16.97	4.96	" "
7.85	7.50	10.53	.50	.52	20.00	18.50	7.15	55.45	" "
6.16	45.00	46.16	6.00	13.68	3.00	2.80	30.94	.26	" "
5.92	45.00	43.88	6.00	14.18	3.00	1.64	32.86	1.52	" "
5.83	45.00	45.90	6.00	13.40	3.00	2.25	30.23	2.39	" "
8.04	18.00	18.78	4.00	4.81	7.00	7.52	9.59	51.26	" "
8.75	20.00	21.24	4.50	5.01	9.50	8.28	6.03	50.69	" "
8.98	19.00	19.92	4.50	5.05	7.00	6.16	11.59	48.30	" "
10.45	9.00	9.83	2.50	3.17	5.00	2.32	1.46	72.77	" "
8.08	13.00	13.25	3.50	4.53	10.00	11.69	7.72	54.73	" "
10.04	13.00	14.13	3.50	3.79	5.00	4.31	3.57	64.16	" "
8.85	20.00	19.92	4.50	4.82	9.00	7.84	11.62	46.95	" "
6.47	50.00	47.65	10.00	11.14	2.00	1.70	31.51	1.53	A.
7.16	50.00	46.83	10.00	13.80	2.00	2.41	32.24	.....	A.
5.14	50.00	46.86	10.00	12.21	2.00	2.60	31.10	2.09	A.
7.53	58.00	60.20	7.00	9.37	1.00	.72	21.30	.88	As declared on sack
8.68	32.00	34.05	4.00	5.86	10.00	9.28	7.50	34.63	B.
8.61	26.00	28.87	4.00	4.90	11.00	9.05	7.11	41.46	B.
8.19	20.00	20.80	5.00	5.69	12.00	9.77	5.83	49.72	As declared on sack
9.19	19.00	19.74	5.00	5.04	7.00	5.55	9.08	51.40	B.
9.42	16.00	16.67	4.00	4.44	7.00	6.55	8.28	54.64	C.
11.38	8.00	10.97	3.00	3.56	4.00	4.03	2.07	67.99	As declared on sack
9.27	18.00	20.53	4.00	5.49	5.00	4.21	8.50	52.00	" "
.....	32.00	33.52	.75	x1.38	.....	.....	8.36		" "
10.98	11.00	11.41	2.50	3.18	14.00	9.17	3.48	61.78	" "
8.88	20.00	19.66	4.50	5.44	10.00	7.77	4.20	54.05	" "
8.29	18.00	19.66	5.00	5.24	7.00	5.51	10.30	51.00	" "
8.61	13.00	13.51	3.50	3.84	10.00	6.98	4.97	62.09	" "
12.48	13.00	10.62	4.00	1.91	6.00	5.92	1.94	67.13	" "

A—Should be designated as Meat and Bone Scrap.
B—Fibre guarantee on sack differs from license.
C—Fibre guarantee and Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Cambridge Manufacturing Co., Cambridge, Md.		
New-Vim Molasses Dairy Feed	Cambridge	10.5
New-Vim Molasses Dairy Feed	Cambridge	11.5
New-Vim Special Laying Mash	Cambridge	8.2
New-Vim Super Laying Mash	Cambridge	8.6
New-Vim Special Growing Mash	Cambridge	9.0
Broiler Mash	Cambridge	8.9
Pure Wheat Bran	Cambridge	7.9
Pure Wheat Flour Middlings	Cambridge	10.1
Super Chick Starter	Cambridge	8.2
New-Vim Fine Chick Scratch	Cambridge	10.9
New-Vim Scratch Feed Medium	Cambridge	10.7
New-Vim Turkey Starter	Cambridge	7.6
A. B. Caple Co., Toledo, Ohio		
Alfalfa Leaf Meal	Derwood	7.64
Cardiff Milling Co., Cardiff, Md.		
Daisy Laying Mash	Cardiff	12.05
Jesse C. Carr, Bel Air, Md.		
Pure Wheat Bran	Bel Air	9.96
Pure Wheat Middlings	Bel Air	10.63
*Pure Corn Bran	Bel Air	8.90
*Pure Corn Chop	Bel Air	12.85
Carter & Yates Milling Co., Church Hill, Md.		
Red Star Laying Mash	Centreville	8.87
Red Star Starter and Grower	Centreville	10.11
Red Star Turkey Mash	Centreville	9.18
Cecil County Milling Co., Rising Sun, Md.		
Rising Sun Brand 16% Dairy Feed	Rising Sun	11.25
Rising Sun Brand Laying Mash, with DBM	Rising Sun	8.36
Rising Sun Brand All Mash Grower	Rising Sun	8.40
Central Chemical Co., Inc., Baltimore, Md.		
"Gro-All" Meat Scraps 55%	Baltimore	6.23
"Gro-All" Meat and Bone Scraps 50%	Frederick	5.55
"Gro-All" Meat and Bone Scraps 50%	Frederick	5.88
"Gro-All" Meat and Bone Scraps 45%	Pocomoke City	6.19
"Gro-All" Meat and Bone Scraps 45%	Ellicott City	5.19
"Gro-All" Meat and Bone Scraps 45%	Frederick	6.87
‡"Gro-All" Steamed Bone Meal	Maugansville	3.83
‡"Gro-All" Fish and Crab Meal	Berlin	7.15
"Gro-All" Fish Meal 55%	Walkersville	6.91
*"Gro-All" Fish Meal 55%	Westminster	7.41
"Gro-All" Fish Meal 55%	Woodsboro	6.21
"Gro-All" Fish Meal 55%	Ellicott City	7.08
"Gro-All" Fish Meal 55%	Baltimore	8.48
"Gro-All" Crab Meal for Feeding Purposes	Breathedsville	7.79
"Gro-All" Digester Tankage 60%	Baltimore	5.10

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

A—I
B—A

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.55	24.00	23.46	4.00	4.62	9.50	7.69	8.76	44.92	As declared on sack
11.51	20.00	22.30	4.00	4.60	10.00	8.05	9.28	44.26	A.
8.20	20.00	20.62	5.00	4.71	7.00	5.10	12.24	49.13	As declared on sack
8.61	20.00	20.45	5.00	4.58	7.00	4.68	11.91	49.77	" "
9.06	16.00	16.94	4.00	4.22	6.00	4.48	7.08	58.22	A.
8.96	17.00	17.02	4.00	4.78	5.00	3.59	8.24	57.41	As declared on sack
7.90	14.00	15.45	4.00	4.55	10.00	9.21	6.83	56.06	" "
10.17	14.50	14.30	4.00	3.57	5.00	2.04	2.56	67.36	" "
8.24	14.00	14.04	4.00	5.26	5.50	3.93	8.23	60.30	" "
10.98	9.00	11.41	2.50	2.87	3.00	1.81	1.98	70.95	B.
10.70	9.00	9.21	2.50	2.54	4.00	2.26	1.01	74.28	As declared on sack
7.68	20.00	20.36	4.00	5.46	5.00	3.76	10.76	51.98	" "
7.64	20.00	20.27	2.50	4.27	18.00	13.48	11.67	42.67	" "
12.05	20.00	23.96	4.00	5.13	6.50	7.46	7.20	44.20	A.
9.96	14.00	14.04	3.50	3.53	5.00	8.61	6.29	57.57	As declared on sack
10.63	14.00	14.57	3.50	3.59	5.00	4.14	3.81	63.26	" "
8.90	6.00	7.20	4.00	3.16	12.00	11.50	1.68	67.56	" "
12.85	9.00	8.78	4.00	2.26	5.00	2.35	1.36	72.40	" "
8.87	20.00	21.06	4.00	5.21	8.00	8.18	7.86	48.82	" "
10.11	16.00	16.50	4.00	4.26	5.00	3.77	6.29	59.07	" "
9.18	18.00	19.57	4.99	4.72	13.00	7.59	9.19	49.75	A.
11.25	16.00	19.14	3.50	3.92	12.00	8.26	8.30	49.13	" "
8.36	20.00	23.25	4.50	5.04	5.50	5.23	10.68	47.44	" "
8.40	16.00	17.90	4.00	4.78	6.00	4.45	10.10	54.37	" "
6.23	55.00	54.93	8.00	11.16	2.00	1.98	25.57	.13	" "
5.55	50.00	49.49	8.00	9.20	2.00	1.86	32.53	1.37	" "
5.88	50.00	50.20	8.00	11.73	2.00	2.01	29.80	.38	" "
6.19	45.00	44.06	8.00	9.01	2.00	2.26	35.00	3.48	" "
5.19	45.00	44.32	8.00	13.29	2.00	2.33	32.47	2.40	" "
6.87	45.00	45.63	8.00	10.43	2.00	1.14	34.10	1.83	" "
3.83	5.00	7.20	2.00	5.81	2.00	1.25	80.70	1.21	" "
7.15	50.00	51.16	4.00	5.33	5.00	3.42	28.00	4.94	" "
6.91	55.00	59.76	6.00	8.75	1.00	.58	20.72	3.28	" "
7.41	55.00	60.20	6.00	5.42	1.00	.49	18.78	7.70	" "
6.21	55.00	58.80	6.00	6.57	1.00	1.04	20.00	7.38	" "
7.08	55.00	61.60	6.00	6.62	1.00	.79	17.14	6.77	" "
8.48	55.00	61.78	6.00	8.23	1.00	.47	17.36	3.68	" "
7.79	31.00	31.59	1.00	1.37	8.00	10.18	46.60	2.47	" "
5.10	60.00	61.60	8.00	8.71	2.00	1.61	19.61	3.37	" "

A—Ingredients on sack differ from license.
B—Also detected Cut Oats—Unable to detect Pinhead Oats.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Central Chemical Co., Inc., Baltimore, Md. (Continued)	
‡Hogger	Parkton
‡"Gro-All" Distillers Grains (with Molasses)	Frederick
‡"Gro-All" Dried Tomatoes	Germantown
Central Feed Co., Baltimore, Md.	
*Booths Pigeon Feed	Baltimore
Breeding Pigeon Feed	Baltimore
Central Purchasing Bureau State of Md., Baltimore, Md.	
C. P. B. Dairy Ration	Hagerstown
C. P. B. Dairy Ration	Jessups
C. P. B. Dairy Ration	Hagerstown
†Mixed to Order Dairy Ration	Hagerstown
C. P. B. Dairy Ration	Waterbury
C. P. B. Dairy Ration	Sykesville
C. P. B. Dairy Ration	Waterbury
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Laying Mash	Waterbury
C. P. B. Laying Mash	Waterbury
Mixed to Order Lay Mash	Hagerstown
C. P. B. Growing Mash	Waterbury
*C. P. B. Horse Feed	Waterbury
C. P. B. Horse Feed	Waterbury
Mixed to Order Hog Meal	Hagerstown
Starter and Growing Feed	Waterbury
Baby Scratch	Waterbury
Scratch Feed for Large Hens	Waterbury
Scratch Mixed to Order	Waterbury
Chapin & Co., Hammond, Ind.	
*Unicorn Dairy Ration 24%	Annapolis
‡Ajax Flakes	Walkersville
Chewsville Cooperative Association, Inc., Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
*Thrivont Growing Mash	Chewsville
Thrivont Broiler Ration	Chewsville
Thrivont Stock Feed	Chewsville
*Thrivont Pig and Hog Meal	Chewsville
Thrivont Chick Starter, with BM. and Cod Liver Oil	Chewsville
Thrivont Scratch Grains	Chewsville
Harry Clipp, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
6.44	45.00	**50.02**	5.00	**4.65**	2.00	**3.69**	30.19	5.01	As declared on sack
9.50	15.00	**14.37**	6.00	**5.52**	18.00	**14.64**	2.43	53.54	" "
5.19	20.00	**23.87**	10.50	**13.85**	36.00	**28.85**	3.71	38.38	" "
9.78	14.00	**17.20**	4.50	**3.49**	5.00	**5.48**	2.81	61.24	" "
10.56	11.00	**14.57**	4.00	**4.66**	4.50	**4.23**	2.35	63.63	" "
11.07	32.00	**31.79**	5.00	**5.26**	9.00	**7.97**	.....	.....	" "
10.42	32.00	**32.56**	5.00	**4.88**	9.00	**8.05**	.....	.....	" "
8.40	32.00	**31.90**	5.00	**4.93**	9.00	**8.30**	.....	.....	" "
.....	32.00	**29.67**	5.00	**4.43**	9.00	**8.39**	.....	.....	" "
10.37	20.00	**22.34**	4.00	**3.93**	11.00	**8.72**	.....	.....	" "
12.89	20.00	**22.51**	4.00	**4.06**	11.00	**7.89**	.....	.....	" "
10.14	20.00	**23.13**	4.00	**4.25**	11.00	**8.08**	.....	.....	" "
11.35	12.00	**22.98**	3.00	**4.41**	7.00	**9.85**	.....	.....	" "
10.45	12.00	**12.14**	3.00	**2.72**	7.00	**9.76**	.....	.....	" "
12.52	12.00	**14.91**	3.00	**3.93**	7.00	**7.47**	.....	.....	" "
13.46	12.00	**15.68**	3.00	**3.48**	7.00	**6.65**	.....	.....	" "
.....	18.00	**18.78**	4.50	**6.08**	6.00	**6.17**	.....	.....	" "
.....	18.00	**20.10**	4.50	**6.47**	6.00	**7.29**	.....	.....	A.
.....	.....	**10.13**	.....	**5.61**	.....	**5.39**	.....	.....	As declared on sack
.....	16.00	**18.12**	4.00	**5.92**	6.00	**5.79**	.....	.....	B.
11.02	9.00	**12.64**	3.50	**2.93**	8.00	**7.12**	.....	.....	As declared on sack
12.51	9.00	**11.23**	3.50	**3.65**	8.00	**7.74**	.....	.....	" "
.....	40.00	**43.35**	5.00	**5.38**	5.00	**3.78**	.....	.....	C.
.....	.....	**18.52**	.....	**7.91**	.....	**5.50**	.....	.....	As declared on sack
.....	.....	**11.23**	.....	**2.02**	.....	**1.42**	.....	.....	" "
.....	.....	**11.32**	.....	**2.98**	.....	**3.82**	.....	.....	D.
.....	.....	**9.88**	.....	**3.44**	.....	**3.92**	.....	.....	E.
									F.
9.30	24.00	**25.80**	4.50	**3.79**	10.00	**7.15**	8.70	45.26	As declared on sack
6.31	28.00	**27.38**	9.00	**10.30**	13.00	**10.71**	4.23	41.07	" "
6.39	32.00	**31.86**	4.50	**5.27**	9.00	**9.70**	10.63	36.15	" "
6.79	23.00	**26.32**	5.00	**4.92**	7.00	**9.38**	9.34	43.25	G.
9.02	19.00	**22.38**	5.00	**5.33**	8.00	**6.12**	9.33	47.82	As declared on sack
9.44	19.00	**23.34**	5.00	**5.68**	8.00	**4.89**	10.80	45.85	" "
10.07	16.00	**17.81**	4.00	**3.29**	6.00	**4.99**	7.09	56.75	" "
9.04	18.00	**18.87**	4.00	**4.62**	8.00	**5.07**	7.54	54.86	" "
10.97	10.00	**14.43**	3.00	**3.31**	8.00	**8.42**	8.26	54.61	H.
8.97	15.00	**18.34**	5.00	**3.92**	8.00	**5.21**	8.17	55.39	As declared on sack
8.75	14.00	**18.43**	4.00	**5.25**	3.50	**4.61**	7.40	55.56	" "
11.08	10.00	**10.27**	2.50	**2.69**	5.00	**2.09**	1.72	72.15	" "
8.88	20.00	**21.50**	4.50	**4.99**	6.00	**6.00**	7.35	51.28	I.

A—Detected Alfalfa Meal and not Leaf Meal as declared.
B—Detected—Wheat Bran, Wheat Middlings, Ground Corn or Corn Feed Meal, Meat Scrap, Fish Meal, D. S. M. or D. B. M., Cod Liver Oil, Bone, Alfalfa Meal (not Leal Meal), Salt, Ground Oats, Calcium Carbonate.
C—Detected—Cracked Corn, Crimped Oats, Alfalfa Meal and Molasses.
D—Detected—Cracked Corn, Cracked Wheat, Cut Hulled Oats.
E—Detected—Cracked Corn, Wheat, Oats, Barley and Milo Maize.
F—Detected—Cracked Corn, Wheat, Barley, Oats and Kaffir Corn.
G—Ingredients on sack differ from license.
H—Ingredients on sack differ from license. Also detected Cottonseed Meal, Corn Gluten Feed and Mineral Mixture.
I—Ingredients on sack differ from license. Also detected Alfalfa Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Herbert K. Clofine, Philadelphia, Pa.		
‡Supreme Brand Dried Buttermilk	Chewsville	.....
Supreme Brand Poultry Feed	Chewsville	.....
J. Henry Clusman & Co., Baltimore, Md.		
‡Reliance Laying Mash, with Cod Liver Oil	Baltimore	9.88
Reliance Laying Mash, with Cod Liver Oil	Baltimore	9.87
‡Fairfield Horse Feed	Baltimore	10.02
‡King's Best Horse Feed	Baltimore	9.84
Cohn & Bock Co., Princess Anne, Md.		
C. & B. Laying Mash, with 4% Dried Milk	Princess Anne	8.70
C. & B. Growing Mash, with 4% Dried Milk	Princess Anne	9.22
Pure Wheat Bran	Princess Anne	8.42
Pure Wheat Middlings	Princess Anne	9.54
Collis Products Co., St. Paul Minn.		
Collis Process Dried Buttermilk	Baltimore	.....
Commander-Larabee Corp., Minneapolis, Minn.		
Sunfed Winter Wheat Bran, with Ground Wheat Screen. N. Ex. M. R.	Baltimore	9.87
Community Mills, Liberty Grove, Md.		
Pure Wheat Bran	Liberty Grove	8.51
Pure Wheat Middlings	Liberty Grove	9.06
G. E. Conkey Co., Cleveland, Ohio		
‡Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown	7.49
‡Conkey's Y-O (Brand) Egg Mash	Hagerstown	9.15
Conkey's Y-O (Brand) Growing Mash	Hagerstown	9.40
‡Conkey's Gecco Growing Grains	Hagerstown	10.95
‡Conkey's Y-O (Brand) Broiler Mash	Hagerstown	9.78
‡Conkey's Y-O	Hagerstown	8.30
‡Conkey's Y-O (Brand) (The Original) Starting Feed	Hagerstown	9.86
‡Conkey's Gecco Chick Grains	Hagerstown	11.21
Consolidated By-Product Co., Philadelphia, Pa.		
‡Consolidated Beef and Bone Scrap	Maugansville	5.21
Consolidated Fish Meal	Berlin	7.17
Consolidated Products Co., Danville, Ill.		
Pure Dried Buttermilk	Ellicott City	.....
Pure Dried Buttermilk	Westminster	.....
Consolidated Rendering Co., Boston, Mass.		
Banner Meat and Bone Scrap	Frederick	6.71
Consumers Import Co., Inc., New York, N. Y.		
‡Cico Fish Meal	Ellicott City	6.31
‡Cico Soybean Oil Meal	Ellicott City	6.99

‡ Not Licensed at time of Sale.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
.....	32.00	31.24	5.00	x7.48	.....	.....	9.12	.....	As declared on sack
.....	11.00	13.60	Trace	x.62	†	††	.....	.....	" "
9.88	20.00	19.39	4.50	5.33	7.00	7.13	7.06	51.21	" "
9.87	20.00	19.53	4.50	5.16	7.00	6.83	7.60	51.01	" "
10.02	9.00	12.31	2.50	3.42	10.00	7.03	3.65	63.57	A.
9.84	9.00	12.09	2.50	3.28	10.00	7.28	3.66	63.85	B.
8.70	20.00	21.67	4.50	4.68	6.00	5.22	10.33	49.40	As declared on sack
9.22	16.00	17.72	4.50	4.05	6.00	5.09	9.30	54.62	" "
8.42	13.00	13.69	3.50	3.94	10.00	10.66	7.74	55.55	" "
9.54	14.00	15.18	3.50	3.86	6.00	6.09	5.16	60.17	" "
.....	30.00	32.82	5.00	x5.01	.....	.....	10.32	.....	" "
9.87	15.00	16.85	3.50	4.92	11.00	10.32	5.63	52.41	C.
8.51	13.00	14.30	3.00	3.82	9.00	9.49	6.93	56.95	As declared on sack
9.06	13.00	15.09	3.00	5.13	6.00	4.76	4.27	61.69	" "
7.49	32.00	32.29	5.00	6.78	7.00	6.16	17.92	29.36	" "
9.15	20.00	21.32	5.00	5.65	7.00	5.37	10.66	47.85	" "
9.40	18.00	19.66	5.00	6.10	7.00	6.22	6.75	51.87	" "
10.95	10.00	12.02	2.50	3.01	3.00	1.86	1.86	70.30	" "
9.78	19.00	20.62	4.00	6.52	7.00	5.59	7.72	49.77	" "
8.30	30.00	32.60	12.50	18.33	6.00	4.28	4.37	32.12	" "
9.86	16.00	18.87	4.50	6.21	5.00	5.06	7.29	52.71	" "
11.21	10.00	11.67	2.00	2.02	2.50	1.38	1.25	72.47	" "
5.21	45.00	45.63	7.00	8.66	3.00	1.95	37.58	.97	" "
7.17	55.00	57.13	8.00	8.10	2.00	.68	24.03	2.89	" "
.....	30.00	33.78	5.50	x6.59	.....	.....	11.98	.....	" "
.....	30.00	35.10	5.50	x6.39	.....	.....	10.06	.....	" "
6.71	50.00	52.48	8.00	8.15	3.00	2.51	33.39	.....	" "
6.31	55.00	67.92	1.00	6.52	1.00	.40	17.56	1.29	" "
6.99	42.00	42.21	4.50	7.74	7.00	5.66	6.72	30.68	" "

†—Total Solids 28.00%
††—Total Solids 28.64%
X—Fat as determined by the Roese-Gottlieb Method.
A—Fat guarantee and Ingredients on sack differ from license.
B—Protein; Fat and Fibre guarantee and Ingredients on sack differ from license.
C—Protein; Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Continental Distilling Corp., Philadelphia, Pa.		
Continental Distillers Grains	Germantown	5.5
Continental Feed Co., Baltimore, Md.		
‡"Conto Brand" 55% Fish Meal	Baltimore	9.3
Continental Milling & Feed Co., Ellicott City, Md.		
*Maryland Maide Dairy Feed 24%	Ellicott City	10.0
Patapsco Dairy Feed 16%	Ellicott City	10.4
Pre-Ferd Dairy Feed 16%	Ellicott City	7.2
Continental Laying Mash	Ellicott City	7.2
Polka Dot Growing Mash	Ellicott City	7.0
Polka Dot All Mash Broiler Ration	Ellicott City	8.8
*Continental Horse Feed	Ellicott City	10.6
Polka Dot Horse Feed	Ellicott City	11.1
Polka Dot Pig Meal	Ellicott City	8.0
Polka Dot Starting Mash	Ellicott City	8.3
Polka Dot Developing Grains	Ellicott City	10.0
‡Pre-Ferd Developer Grains	Raspeburg	10.4
‡Pre-Ferd Chick Grains	Raspeburg	9.1
Polka Dot Scratch Grains	Ellicott City	9.7
Cordova Milling Co., Cordova, Md.		
Pure Wheat Bran	Cordova	8.65
Pure Wheat Middlings	Cordova	9.02
Corn Products Refining Co., New York, N. Y.		
Diamond Corn Gluten Meal	Frederick	7.17
Buffalo Corn Gluten Feed	Walkersville	7.77
Heavy Buffalo Corn Gluten Feed (Sweetened)	Baltimore	7.05
Cumberland Milling Co., Cumberland, Md.		
‡Corn Feed Meal	Cumberland	11.39
Dairymen's League Co-operative Association, Inc., Utica, N. Y.		
Dairylea Choice Feed Grade Dried Skim Milk	Frederick	.....
Damascus Milling Co., Damacus, Md.		
Mo-Eg Laying Mash	Damascus	7.33
Kings Special Hog Feed	Damascus	7.44
Decatur Milling Co., Inc., Decatur, Ill.		
Homco Hominy Feed	Rising Sun	7.78
Del-Mar-Va Milling Co., Inc., Snow Hill, Md.		
Staggs Milkalene Dairy Feed	Snow Hill	9.89
Staggs Yellow Leg Broiler Ration	Snow Hill	9.43
Staggs Complete Starting Ration	Snow Hill	8.51
Staggs Developing Ration	Snow Hill	8.24
Denver Alfalfa Milling and Products Co., Lamar, Col.		
‡Greenfalfa Poultry Meal	Berlin	6.58

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein Guaranteed	Protein Found	Fat Guaranteed	Fat Found	Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients
5.51	23.00	24.75	7.00	7.56	15.00	15.83	2.05	44.30	As declared on sack
9.30	55.00	55.02	5.00	4.95	2.00	.65	17.38	12.70	" "
10.00	24.00	23.42	4.50	2.85	9.00	9.07	9.89	44.77	A.
10.42	16.00	16.66	4.00	3.87	12.50	10.72	11.12	47.21	B.
7.24	16.00	20.27	4.00	4.12	12.00	12.70	8.51	47.16	As declared on sack
7.24	20.00	20.45	5.00	5.13	6.00	6.90	12.68	47.60	" "
7.09	16.00	17.99	5.00	5.55	7.00	6.21	10.16	53.00	" "
8.87	16.00	17.38	5.00	4.73	5.00	4.70	10.10	54.22	" "
10.69	7.00	6.16	2.50	1.53	13.00	12.28	7.92	61.42	" "
11.13	8.00	10.36	2.00	3.60	14.00	8.09	3.79	63.03	" "
8.02	18.00	19.22	4.00	4.40	7.00	7.66	8.95	51.75	" "
8.39	15.00	18.25	5.00	5.31	5.00	3.81	7.90	56.34	" "
10.05	10.00	10.97	2.50	4.38	5.00	2.84	1.95	69.81	" "
10.45	10.00	10.97	2.50	2.04	5.00	2.37	1.86	72.31	" "
9.13	10.00	11.23	2.50	2.48	5.00	1.61	1.75	73.80	" "
9.70	10.00	10.79	2.50	2.45	5.00	2.48	2.00	72.58	" "
8.65	13.00	13.16	3.00	3.15	9.00	8.68	4.75	61.61	" "
9.02	13.00	14.22	3.00	4.05	6.00	4.08	3.32	65.31	" "
7.17	43.00	43.97	1.00	2.90	4.00	4.18	1.72	40.06	" "
7.77	25.00	27.12	2.00	2.69	8.50	8.05	7.43	46.94	" "
7.05	20.00	21.67	1.00	1.43	7.00	6.51	5.69	57.65	" "
11.39	8.00	9.83	3.00	3.81	5.00	2.13	1.30	71.54	C.
.....	33.00	34.84	.50	x1.10	.....	.....	8.31	.....	As declared on sack
7.33	20.00	21.94	5.00	5.35	8.00	7.65	12.61	45.12	" "
7.44	17.00	18.60	5.00	4.70	9.00	8.85	9.55	50.86	D.
7.78	10.00	12.20	7.00	8.17	6.00	5.09	2.90	63.86	" "
9.89	20.00	22.21	4.00	4.22	10.00	6.27	7.86	49.55	" "
9.43	18.00	19.13	4.00	5.06	6.00	4.61	9.11	62.66	" "
8.51	16.00	17.90	3.00	5.26	5.00	5.34	9.74	53.25	" "
8.24	17.00	18.60	4.00	4.38	6.00	6.67	13.32	48.79	" "
6.58	17.00	19.92	1.50	1.45	23.00	22.06	10.80	39.19	" "

A—Also detected Screenings, Whole Weed Seed and Malt Sprouts.
B—Ingredients on sack differ from license.
C—Appears to be Pure Ground Whole Yellow Corn.
X—Fat as determined by the Roese-Gottlieb Method.
D—Fat guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
*Derwood 20% Dairy Feed	Derwood
Derwood Laying Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Turkey Mash	Derwood
Devilbiss Bros., New Windsor, Md.	
A. No. 1 Laying Mash	New Windsor
Dewey Bros. Co., Blanchester, Ohio	
Rye Distillers Dried Grains	Union Bridge
Dickey Bros., Washington, D. C.	
Capitol Laying Mash	Hyattsville
Capitol Growing Mash	Hyattsville
Capitol Scratch Grains	Hyattsville
Albert Dickinson Co., Chicago, Ill.	
‡Dickinson's Globe Milk Producer 24%	Baltimore
‡Dickinson's Globe Milk Producer 20%	Baltimore
‡Dickinson's Globe Growing Ration	Baltimore
‡Dickinson's Globe Broiler Ration	Baltimore
‡Dickinson's Globe All Mash Starting-Growing	Baltimore
‡Dickinson's Globe Starting Ration	Baltimore
‡Dickinson's Globe Chick Scratch	Baltimore
‡Dickinson's Globe Growing Scratch	Baltimore
‡Dickinson's Globe Turkey Mash Starting-Growing	Baltimore
Dietrich & Gambrill, Inc., Frederick, Md.	
Gambrill's High Protein Dairy Feed	Sykesville
Gambrill's High Protein Dairy Feed	Mt. Airy
Frederick Dairy Feed	Baltimore
Gambrill's A. I. Dairy Feed	Waldorf
D. & G. Dairy Feed	Waldorf
Gambrill's 16% Dairy Feed	Mt. Airy
Big 4 Dairy Feed	Ellicott City
Frederick Laying Mash	Waldorf
Gambrill's Laying Mash	Waldorf
Gambrill's Growing Mash	Baltimore
‡D. & G. Poultry Conditioning Ration	Laurel
Frederick Horse Feed	Baltimore
Gambrill's Horse Feed	Ellicott City
Frederick Stock Feed	Ellicott City
All Purpose Complete Ration Starter-Grower-Layer	Hagerstown
Gambrill's Chick Starter	Sykesville
Frederick Chick Grains	Baltimore
Gambrill's Chick Grains	Elkton
Canton Scratch Feed	Baltimore
Gambrill's Scratch Feed	Laurel
Gambrill's Scratch Feed	Baltimore

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
12.04	32.00	31.47	4.00	4.78	9.00	7.62	9.62	34.47	B.
11.27	26.00	26.44	4.00	4.14	9.00	7.27	8.54	42.34	As declared on sack
12.26	20.00	23.56	4.00	3.39	12.00	7.80	7.24	45.75	" "
8.64	20.00	21.94	4.00	6.57	8.00	6.13	11.10	45.62	" "
8.28	19.00	20.45	4.00	5.60	7.00	5.26	9.92	50.49	B.
9.50	21.00	21.94	4.00	6.07	6.00	8.54	13.00	40.95	C.
8.03	20.00	23.17	4.00	4.87	8.00	9.87	9.60	44.46	B.
5.54	16.00	21.94	5.00	7.64	18.00	15.16	2.27	47.45	As declared on sack
7.83	20.00	21.94	5.00	5.08	7.00	6.92	8.47	49.76	" "
8.05	16.00	20.45	4.00	4.77	7.00	6.97	10.32	49.44	B.
9.39	10.00	10.09	2.50	2.97	4.00	2.96	1.00	73.59	As declared on sack
9.07	24.00	26.49	3.50	3.78	10.00	6.49	9.96	44.21	" "
9.55	20.00	22.63	3.25	3.24	10.00	6.95	9.77	47.86	" "
8.19	16.00	17.43	4.00	4.48	5.50	5.10	9.43	55.37	" "
9.16	15.00	17.02	2.50	5.44	5.50	5.37	10.78	52.23	" "
9.44	15.00	17.38	3.50	5.08	6.50	6.37	7.97	53.76	" "
9.03	17.00	17.72	3.50	5.68	5.50	5.75	8.44	53.38	" "
11.49	10.00	10.97	2.50	2.84	3.75	1.62	1.41	71.67	" "
10.92	10.00	10.85	2.50	2.99	3.75	2.45	2.00	70.79	" "
8.23	24.00	24.04	3.50	3.98	4.50	4.00	11.44	48.31	" "
9.55	32.00	31.65	5.00	4.68	9.00	9.70	7.48	36.94	" "
8.01	32.00	32.51	5.00	4.91	9.00	9.21	6.99	38.37	" "
8.79	24.00	25.76	4.00	4.64	12.00	13.43	5.81	41.57	" "
11.14	24.00	26.82	4.60	4.29	9.00	8.51	7.53	41.71	" "
9.96	20.00	21.40	4.00	3.85	12.00	12.10	9.34	43.35	" "
9.50	16.00	19.22	3.50	3.37	12.00	12.33	6.95	48.63	" "
11.56	11.00	15.00	2.50	2.03	16.00	7.66	8.70	55.05	" "
8.35	18.00	20.80	4.00	5.16	8.00	5.86	7.95	51.88	" "
8.92	20.00	21.94	5.00	4.93	7.00	6.25	8.78	49.18	" "
9.05	18.00	19.62	4.00	4.63	7.00	6.19	6.98	53.53	" "
8.04	15.00	18.43	6.00	7.75	6.00	4.09	10.67	51.02	" "
10.47	7.00	10.27	2.00	3.04	12.00	7.62	3.78	64.82	" "
11.06	10.00	9.32	3.50	4.20	12.00	7.66	3.67	64.09	" "
9.09	7.50	9.30	3.00	4.28	12.00	13.73	4.30	59.30	B.
9.19	15.00	17.55	4.50	5.35	6.00	5.36	6.86	55.69	As declared on sack
8.35	16.00	21.94	4.00	5.51	4.50	4.01	6.80	53.39	" "
12.51	10.00	11.41	2.50	3.19	3.00	2.77	1.27	68.85	" "
11.31	10.00	11.23	2.50	2.75	3.00	1.51	1.14	72.06	" "
11.91	10.00	10.79	2.50	2.95	4.00	3.44	1.85	69.06	" "
10.93	10.00	11.14	2.50	3.14	4.00	2.70	1.16	70.93	" "
9.55	10.00	10.62	2.50	2.37	4.00	2.16	1.53	73.77	" "

B—Ingredients on sack differ from license.
C—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Dietrich & Gambrill, Inc., Frederick, Md. (Continued)		
Gambrill's Developing Scratch	Elkton	12.0
Gambrill's Pigeon Feed	Baltimore	11.0
D. & G. All Mash Turkey Starter	Goldsboro	8.6
Doughnut Corp. of America, Ellicott City, Md.		
Domaco Pure Winter Wheat Bran	Ellicott City	9.3
Domaco Pure Wheat White Middlings	Woodbine	7.8
Domaco Mill Feed, with Mill Run Screenings	Ellicott City	8.4
Dried Grains Corp., Baltimore, Md.		
‡*Gra-Co Stock Feed	Aldino	10.65
‡Gra-Co Stock Feed	Washington Grove	7.46
Gra-Co Stock Feed	Baltimore	8.70
Dryden Milling Co., Pocomoke City, Md.		
Dryden's Laying Mash	Pocomoke City	8.60
Dryden's Growing Mash	Pocomoke City	8.98
Dryden's All Mash	Pocomoke City	8.81
Dryden's Starting Feed	Pocomoke City	9.19
†Pure Corn Meal	Pocomoke City	12.38
Ezl. Dunwoody Co., Philadelphia, Pa.		
‡*Super X Sardine Fish Meal	Pocomoke City	8.53
‡Super X Prime Cottonseed Meal	Denton	7.37
Eagle Mills, Pocomoke City, Md.		
R. C. D. Laying Mash, with BM	Pocomoke City	8.50
R. C. D. Growing Mash	Pocomoke City	9.18
Old Virginia Broiler Ration	Pocomoke City	8.25
Dryden's Hog Meal	Pocomoke City	8.83
Pure Wheat Bran	Pocomoke City	10.56
Pure Wheat Middlings	Pocomoke City	10.28
Dryden's Chick Starter, with Cod Liver Oil	Pocomoke City	8.36
Eagle Brand Scratch Feed	Pocomoke City	11.01
‡Turkey Trot Starter and Grower	Pocomoke City	8.42
Early & Daniel Co., Cincinnati, Ohio		
‡*Tuxedo Dairy 33%	Cumberland	9.73
Tuxedo Dairy 24%	Oakland	8.01
‡Tuxedo Dairy 20%	Gortner	9.83
*Tuxedo Dairy 16%	Frostburg	8.84
‡Tuxedo Sweet Mix	Lonaconing	9.56
Cincy Egg Mash	Cumberland	9.06
Tuxedo Egg Mash	Cumberland	11.04
Tuxedo Worming Mash	Frostburg	9.02
Tuxedo Poultry Fattener	Cumberland	9.03
‡Tuxedo Starter Grower and Developer Mash	Lonaconing	11.15
Tuxedo Starting and Growing All Mash	Cumberland	9.92
Tuxedo Bulky Feed	Cumberland	11.53
Tuxedo Fig Meal	Frostburg	11.13
‡Miami Chick	Lonaconing	10.08

* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
12.07	10.00	**11.50**	2.50	**2.94**	3.00	**1.92**	1.61	69.96	As declared on sack
11.09	13.00	**15.09**	3.00	**3.66**	3.00	**3.48**	2.17	64.51	" "
8.66	24.00	**25.71**	4.50	**5.46**	7.00	**5.98**	12.58	41.60	" "
9.32	14.50	**17.99**	4.00	**5.28**	9.50	**9.60**	6.19	51.62	" "
7.82	16.00	**16.85**	5.00	**5.06**	4.50	**4.84**	3.06	62.37	" "
8.48	14.00	**15.36**	4.00	**4.90**	8.00	**8.88**	6.63	55.75	" "
10.65	16.00	**13.43**	5.00	**4.53**	15.00	**10.41**	2.60	58.38	B.
7.46	17.00	**17.02**	6.00	**6.07**	17.00	**14.73**	2.49	52.23	As declared on sack
8.70	16.00	**15.97**	5.00	**4.23**	15.00	**13.97**	2.15	54.98	B.
8.60	18.00	**18.69**	4.50	**4.50**	8.00	**7.88**	8.54	51.79	As declared on sack
8.98	16.00	**16.15**	3.50	**5.09**	5.00	**4.29**	8.42	57.07	" "
8.81	18.00	**17.64**	3.75	**5.31**	5.00	**4.03**	8.67	55.54	" "
9.19	15.50	**15.97**	3.00	**3.92**	5.50	**4.16**	7.42	59.34	" "
12.38	11.00	**8.86**	5.00	**3.69**	3.50	**1.75**	1.64	71.68	" "
8.53	60.00	**60.90**	9.00	**6.42**	1.50	**1.23**	16.84	6.08	" "
7.37	41.00	**42.56**	8.00	**8.96**	16.00	**14.37**	7.36	19.38	" "
8.50	20.00	**20.01**	5.00	**5.00**	8.00	**6.57**	10.46	49.46	" "
9.18	16.00	**17.38**	4.00	**5.56**	7.00	**4.12**	8.52	55.24	A.
8.25	16.00	**16.85**	5.00	**5.56**	6.00	**5.59**	7.35	56.40	As declared on sack
8.83	18.00	**18.08**	4.00	**4.21**	7.00	**5.23**	7.93	55.72	C.
10.56	13.00	**14.38**	4.40	**4.66**	9.00	**8.99**	5.66	55.74	As declared on sack
10.28	14.00	**15.36**	3.50	**4.96**	5.00	**3.33**	3.29	62.78	" "
8.36	16.00	**17.90**	4.50	**5.16**	6.00	**5.50**	6.20	56.88	" "
11.01	10.00	**10.00**	3.00	**2.57**	5.00	**2.32**	1.53	72.57	" "
8.42	19.00	**19.39**	4.50	**4.40**	7.00	**6.19**	8.46	53.14	" "
9.73	33.00	**31.13**	4.00	**4.93**	8.50	**8.18**	10.26	35.77	" "
8.01	24.00	**24.74**	4.00	**3.86**	9.00	**7.35**	10.83	45.21	" "
9.83	20.00	**18.54**	3.75	**4.81**	12.00	**8.78**	9.70	48.34	" "
8.84	16.00	**15.22**	3.75	**3.03**	12.50	**6.64**	10.75	55.52	" "
9.56	9.00	**9.76**	4.50	**4.83**	10.00	**3.80**	3.98	68.07	" "
9.06	20.00	**20.68**	4.50	**4.70**	7.00	**4.72**	8.14	52.70	" "
11.04	18.00	**18.59**	4.00	**4.78**	7.50	**4.89**	8.38	52.32	" "
9.02	18.00	**18.40**	4.00	**6.01**	7.00	**3.64**	8.83	54.10	" "
9.03	14.00	**15.27**	4.50	**4.50**	6.00	**6.59**	5.16	59.45	" "
11.15	17.50	**18.84**	4.00	**4.56**	6.00	**4.97**	4.90	55.58	" "
9.92	16.00	**17.62**	4.00	**3.99**	5.00	**4.77**	6.38	57.32	" "
11.53	10.00	**11.92**	2.00	**2.15**	15.00	**10.21**	10.06	54.13	" "
11.13	14.50	**15.84**	4.50	**4.61**	7.00	**5.32**	7.07	56.03	" "
10.08	9.00	**10.71**	3.00	**2.61**	3.50	**1.92**	2.10	72.58	" "

B—Protein; Fat and Fibre guarantee on sack differ from license.
A—Also detected Charcoal.
C—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Early & Daniel Co., Cincinnati, Ohio (Continued)	
Tuxedo Chick	Cumberland
Tuxedo Developer	Cumberland
‡Tuxedo 50-50 Scratch	Frostburg
Tuxedo Rabbit Feed	Cumberland
East Coast Trading Co., Baltimore, Md.	
Oberco 50% Meat and Bone Scrap	Chestertown
Oberco 50% Meat and Bone Scrap	Linwood
Oberco 50% Meat and Bone Scrap	Owings Mills
Oberco 50% Meat and Bone Scrap	Linwood
Oberco 50% Meat and Bone Scrap	Chewsville
Oberco 45% Meat and Bone Scrap	Taneytown
East Coast Pure Fish Meal	Linwood
Eastern Grain Growers, Hagerstown, Md.	
†Magic Dairy Feed	Hagerstown
Magic Dairy Feed	Hagerstown
Magic Poultry Mash	Hagerstown
Magic Hog Ration	Hagerstown
Magic Scratch Feed	Hagerstown
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern States Farmers' Exchange, Springfield, Mass.	
Eastern States Producer 20 Mash	Snow Hill
‡Eastern States Hen-Keeper	Snow Hill
‡Eastern States Combination Mash	Snow Hill
Eastern States Horse Feed	Snow Hill
‡Eastern States Hog Meal	Snow Hill
Eastern States Starting and Broiler Ration	Snow Hill
‡Eastern States Chick Grains	Easton
‡Eastern States Intermediate Scratch Grains	Easton
‡Eastern States Scratch Grains 1927	Snow Hill
Easton Milling Co., Easton, Md.	
Talbot Dairy Supplement	Easton
Talbot Dairy Feed	Easton
Talbot Laying Mash	Easton
Pasture Feed	Easton
Talbot Scratch Feed	Easton
‡Talbot Turkey Mash	Easton
W. T. Eddington & Son, Federalsburg, Md.	
*Eddington's Best Laying Mash	Federalsburg
†Eddington's Best Laying Mash	Federalsburg
Special Laying Mash	Federalsburg
Special Laying Mash	Federalsburg
Pure Wheat Bran	Federalsburg
*Pure Wheat Middlings	Federalsburg

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.
† Deficient in both Protein and Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.98	10.00	11.58	2.50	2.62	3.50	2.06	1.56	71.20	As declared on sack
11.17	9.50	9.65	2.50	2.29	4.00	1.88	1.24	73.77	" "
12.10	9.50	9.83	2.50	2.48	5.00	2.12	1.93	71.54	" "
8.87	14.00	15.13	3.25	3.34	7.50	5.79	5.29	61.58	" "
6.64	50.00	49.43	8.00	11.49	3.00	2.20	31.62	.....	" "
6.18	50.00	50.28	8.00	12.70	3.00	1.63	29.10	.11	" "
6.96	50.00	51.34	8.00	12.67	3.00	1.79	26.65	.59	" "
5.59	50.00	57.22	8.00	11.50	3.00	2.15	22.16	1.38	" "
5.69	50.00	54.41	8.00	11.88	3.00	1.83	25.16	1.03	" "
6.45	45.00	47.04	8.00	12.13	3.00	1.98	32.27	.13	" "
7.41	55.00	59.23	5.00	8.41	3.00	.44	16.02	8.49	" "
10.10	24.00	22.78	5.50	4.41	7.30	8.22	7.25	47.24	" "
10.18	16.00	18.01	3.50	4.12	12.00	7.19	6.17	54.33	A.
8.57	16.00	21.67	4.00	5.78	6.00	4.93	11.30	47.75	As declared on sack
9.02	20.00	21.24	5.00	4.81	5.00	5.28	7.95	51.70	B.
12.03	9.00	10.27	2.50	3.36	5.00	3.25	1.85	69.24	C.
7.28	18.50	20.53	4.00	5.96	7.50	6.01	13.25	46.97	As declared on sack
7.61	17.00	20.97	4.00	6.00	7.00	5.95	12.35	47.12	" "
7.68	20.00	21.41	4.00	6.10	6.00	6.04	11.33	47.44	" "
7.16	20.00	21.76	4.50	6.63	9.00	8.37	12.44	43.64	" "
9.44	15.00	17.29	4.00	5.00	6.50	5.25	8.21	54.81	" "
11.96	10.50	11.97	3.50	3.75	7.00	6.99	6.25	59.08	" "
9.54	14.50	15.09	4.00	5.21	5.50	3.59	7.25	59.32	" "
8.25	18.50	19.13	4.00	4.80	5.00	4.66	8.12	55.04	" "
8.96	9.50	10.71	2.00	2.36	3.00	1.24	3.19	73.55	" "
8.88	9.50	10.88	2.00	2.71	3.00	2.18	2.82	72.53	" "
10.02	9.50	11.06	2.50	3.69	3.00	2.11	1.88	71.24	" "
10.24	32.00	31.64	4.50	5.36	9.00	8.30	8.35	36.11	D.
11.89	20.00	20.01	4.00	4.05	8.00	6.45	5.78	51.82	E.
10.13	18.00	20.16	4.00	5.01	8.00	5.27	10.63	48.80	F.
10.32	16.00	15.98	3.00	3.29	10.00	7.37	5.74	57.30	E.
11.23	10.00	10.00	3.00	2.72	4.00	2.65	2.06	71.34	E.
8.29	21.00	23.42	5.00	6.03	8.00	8.90	11.46	41.89	As declared on sack
9.01	20.00	16.67	5.80	5.98	7.00	5.19	14.75	48.40	" "
8.49	20.00	17.72	5.80	4.34	7.00	7.01	13.00	49.44	" "
8.57	15.27	15.09	3.67	4.01	5.67	5.39	12.67	54.27	" "
9.02	15.27	14.92	3.67	3.80	5.67	5.48	13.82	52.96	" "
8.03	14.00	13.78	4.00	3.78	11.00	10.05	7.14	57.22	" "
10.97	14.00	13.86	4.00	3.08	6.00	2.49	2.35	67.25	" "

A—Protein guarantee on sack differs from license. Also detected Corn Gluten.
B—Also detected Ground Oats.
C—Ingredients on sack differ from license. Unable to detect Barley—also detected Oats.
D—Fibre guarantee and Ingredients on sack differ from license.
E—Ingredients on sack differ from license.
F—Protein and Fat guarantee and Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
Englar & Sponseller, Westminster, Md.		
"Meadow-Brook" Laying Mash	Westminster	
Enterprise Tallow & Grease Co., Philadelphia, Pa.		
Del-Mar-Va Meat and Bone	Berlin	
Del-Mar-Va Meat and Bone	Cambridge	
Del-Mar-Va Meat and Bone	Berlin	
John W. Eshelman & Sons, Lancaster, Pa.		
Eshelman 32% Mixing Ration	Baltimore	
Eshelman Challenge Dairy Feed	Aldino	
Eshelman Red Rose 24% Dairy Feed	Mt. Lake Park	
Eshelman Red Rose 24% Dairy Feed	Fallston	
Eshelman Conestoga 20% Dairy Feed	Aldino	
*Eshelman Conestoga 20% Dairy Feed	Cumberland	
Eshelman Lancaster 20% Dairy Feed	Annapolis	
Eshelman Pennsy 16% Dairy Feed	Aldino	
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Bel Air	
Eshelman Red Rose Laying Mash	Bel Air	
Eshelman Red Rose Laying Mash	Reisterstown	
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Baltimore	
Eshelman Red Rose 85 Horse Feed	Baltimore	
Eshelman Garden Spot Horse Feed	Baltimore	
Oat Feed and Molasses	Taneytown	
Eshelman Red Rose Flaked Feed	Baltimore	
Eshelman Red Rose Hog Meal	Cumberland	
Eshelman Ground Rye	Baltimore	
Eshelman Red Rose All Mash Starter	Bel Air	
Eshelman Red Rose Chick Starter	Bel Air	
Eshelman Red Rose Chick Grains	Baltimore	
Eshelman Red Rose Intermediate Chick Grains	Bel Air	
Eshelman Lancaster Scratch Grains	Baltimore	
Eshelman Red Rose Scratch Grains	Baltimore	
Eshelman Red Rose Pigeon Feed	Baltimore	
Eshelman Lancaster Pigeon Feed	Baltimore	
‡Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Elkton	
*Eshelman Red Rose Turkey Starter, with Cod Liver Oil	Sudlersville	
Eshelman Red Rose Rabbit Feed (Pelleted)	Baltimore	
Evans Milling Co., Indianapolis, Ind.		
Evans 41% Soybean Cake Meal	Hagerstown	
Fairchild Milling Co., Cleveland, Ohio		
Wheat Bran, with Ground Screen. N. Ex. M. R.	Baltimore	
Standard Middlings, with Ground Screen. N. Ex. M. R.	Frederick	
Fairfield Western Maryland Dairy, Baltimore, Md.		
‡Skim Milk Powder	Glyndon	
Farmers Cooperative Association, Inc., Frederick, Md.		
32% Co-Operative Supplement	Frederick	
24% Milk Producer	Frederick	
16% Dairy	Frederick	

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.20	20.45	20.80	5.50	5.11	10.45	9.36	8.33	48.20	As declared on sack
6.39	50.00	51.07	10.00	11.86	2.00	1.96	28.57	.15	" "
6.09	50.00	49.76	10.00	10.93	2.00	2.22	30.94	.06	" "
6.15	45.00	45.11	10.00	11.32	2.00	2.04	32.73	2.65	" "
9.81	32.00	31.75	4.50	4.48	9.00	6.87	7.92	39.17	" "
10.09	24.00	23.90	4.00	3.57	11.00	8.14	7.84	46.46	" "
10.09	24.00	24.19	4.00	3.72	11.00	7.60	6.58	47.82	" "
9.32	24.00	24.66	4.00	4.27	11.00	7.11	8.05	46.59	" "
10.68	20.00	20.74	4.00	4.54	11.00	8.18	8.24	47.62	" "
9.16	20.00	22.77	4.00	3.29	11.00	9.65	8.78	46.35	" "
11.02	20.00	20.52	4.00	4.20	11.00	6.68	7.38	50.20	" "
10.07	16.00	17.77	3.00	4.78	11.00	8.23	8.21	50.94	" "
7.30	20.00	21.59	5.00	6.25	7.00	5.97	11.10	47.79	" "
8.42	20.00	20.71	5.00	5.23	7.00	6.21	9.22	50.21	" "
8.25	20.00	20.27	5.00	5.07	7.00	5.48	10.18	50.75	" "
10.36	16.00	16.94	4.00	5.25	7.00	5.41	7.25	54.79	" "
9.44	9.00	11.07	3.00	3.79	10.00	6.61	3.34	65.75	" "
9.13	7.00	9.30	2.00	2.83	11.00	10.74	5.10	62.90	" "
8.01	3.00	5.21	1.00	.96	25.00	21.19	7.42	57.21	" "
9.47	10.00	11.93	2.50	3.36	11.00	6.04	2.53	66.67	" "
8.75	16.00	18.78	5.00	5.04	10.00	7.51	7.93	51.99	" "
11.25	10.00	11.23	2.00	1.94	4.00	2.22	2.06	71.30	" "
8.11	16.00	18.43	4.00	4.85	6.50	5.58	8.00	55.03	" "
8.27	16.50	17.11	4.00	4.35	6.00	5.26	5.83	59.18	" "
12.17	10.00	12.98	3.00	4.73	3.00	1.93	2.16	66.03	" "
10.90	10.00	11.06	3.00	3.90	3.00	2.07	1.75	70.32	" "
12.05	9.00	10.97	2.50	3.41	4.00	3.38	1.50	68.69	" "
11.63	10.00	10.27	2.50	3.04	4.00	2.63	1.40	71.03	" "
11.00	12.00	16.23	3.00	2.77	4.00	3.93	2.11	63.96	" "
10.13	12.00	14.39	3.00	3.63	4.00	3.82	1.91	66.12	" "
9.62	18.00	19.74	4.25	4.70	7.00	6.18	8.49	51.27	" "
8.97	24.00	22.55	4.50	4.90	6.00	4.15	10.53	48.90	" "
9.73	14.00	15.53	3.50	4.29	9.50	5.88	6.40	58.17	" "
9.43	41.00	41.94	4.50	5.21	7.00	5.12	6.00	32.30	" "
9.35	14.00	16.85	3.50	4.88	12.00	8.89	6.22	53.81	" "
10.16	16.00	17.55	4.00	4.29	9.50	6.26	4.36	57.38	" "
.....	33.00	37.12	.50	x1.15	.....	.....	8.64	.....	" "
8.71	32.00	37.12	3.00	5.84	7.00	6.71	7.42	34.20	" "
8.09	24.00	25.40	3.50	3.85	12.00	9.41	8.91	44.34	A.
9.57	16.00	15.09	3.00	3.37	14.00	13.15	8.55	50.27	As declared on sack

X—Fat as determined by the Roese-Gottlieb Method.
A—Also detected Ground Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Cooperative Association, Inc., Frederick, Md. (Cont.)	
Co-Operative Egg Producer	Frederick
Co-Operative Growing Mash	Frederick
Co-Operative Growing Mash	Frederick
Co-Operative Starting Mash	Frederick
Dried Grains and Molasses	Brunswick
Farmers Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Baltimore
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmer's 24% Dairy Feed	Westminster
*Farmer's Favorite Laying Mash	Westminster
*Farmer's Favorite Pig Meal	Westminster
Farm Service Stores, Inc., Ashtabula, Ohio	
Farm-A-Serv Quality Dairy Ration 20%	Baltimore
Farm-A-Serv Star Egg Mash	Baltimore
Farm-A-Serv Egg Mash	Baltimore
Farm-A-Serv Horse Feed	Baltimore
Farm-A-Serv Starting and Growing Mash	Baltimore
Star Chick Grains	Baltimore
*Farm-A-Serv Star Scratch Feed	Baltimore
North Star Scratch Feed	Baltimore
Farmers Supply Co., Denton, Md.	
Fasuco Laying Mash	Denton
Fasuco Hog Feed	Denton
Farmers Supply Co., Walkersville, Md.	
*Hog Feed	Walkersville
Federal Milling Co., Hagerstown, Md.	
‡Federal Grow Big Hog Feed	Cumberland
‡Federal Pure Wheat Bran	Hagerstown
‡Federal Fancy Wheat Middlings, with Screen. N. Ex. M. R.	Hagerstown
Federal Chick Feed	Hagerstown
Eureka Scratch Feed	Hagerstown
‡Federal Special Scratch Feed	Hagerstown
Feed-Mor Products Co., Westminster, Md.	
Feed-Mor Meat Meal	Motters
Feed-Mor Tankage	Motters
Feed Products Co., Baltimore, Md.	
‡*Prime Cotton Seed Meal	Annapolis
Felton & Kelly, Frederick, Md.	
Egg Maker	Frederick
Pure Wheat Bran	Frederick
Wheat Middlings	Frederick
Corn Bran	Frederick

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.44	20.00	21.18	4.00	5.10	7.00	5.52	8.4[illegible]	51.27	As declared on sack
8.53	18.00	19.31	4.00	5.17	8.00	4.70	6.80	55.49	" "
8.41	18.00	20.53	4.00	4.97	8.00	6.87	5.83	53.39	" "
8.70	17.00	20.88	4.00	6.13	7.00	3.12	8.84	52.33	B.
10.02	15.00	14.50	3.50	7.17	15.00	12.97	2.35	52.99	As declared on sack
5.41	26.00	25.89	6.00	6.62	17.00	15.55	3.43	43.10	" "
6.61	24.00	25.71	4.00	4.45	12.00	12.00	10.22	41.01	" "
8.66	20.00	21.59	5.00	4.04	10.00	9.43	7.80	48.48	" "
8.28	18.00	19.57	5.00	4.87	10.00	6.89	8.22	52.17	" "
8.39	20.00	22.46	4.50	4.73	11.00	9.44	5.50	49.48	" "
6.76	18.00	18.78	3.50	4.29	9.00	6.20	8.07	55.90	" "
9.94	19.00	20.18	4.00	5.01	8.50	6.18	8.45	50.24	" "
10.34	10.00	10.59	3.00	3.38	12.00	7.91	4.39	63.39	" "
8.09	17.00	18.69	4.00	4.13	7.50	4.92	8.56	55.61	" "
9.31	10.00	12.37	3.00	2.76	3.00	1.74	2.37	71.45	" "
8.64	10.00	11.76	3.50	2.79	4.00	3.09	2.19	71.53	" "
10.73	10.00	10.62	3.50	3.30	4.00	3.39	1.50	70.46	" "
7.25	20.00	20.45	5.00	5.00	8.00	6.84	11.37	49.09	" "
8.65	15.00	15.36	5.00	4.70	7.00	4.77	5.26	61.26	A.
11.41	15.00	18.32	4.00	3.22	4.50	7.33	4.71	55.01	As declared on sack
8.38	14.50	15.18	4.50	4.13	8.00	4.61	5.55	62.15	" "
10.15	15.00	16.41	4.00	4.15	9.50	9.77	7.55	51.97	" "
9.76	15.50	16.76	4.00	4.69	6.00	3.95	4.34	60.50	" "
9.50	10.00	13.08	2.50	3.13	5.00	2.10	1.90	70.29	" "
10.04	10.00	10.71	2.50	3.38	5.00	2.60	2.00	71.27	" "
9.95	10.00	10.88	2.50	3.00	5.00	3.08	2.54	70.55	" "
6.80	55.00	72.84	5.00	8.88	4.00	2.21	11.52	----------	" "
5.39	35.00	35.98	5.00	25.66	2.50	5.40	21.80	5.77	C.
7.82	41.00	38.85	5.50	8.37	13.00	9.77	8.60	26.59	As declared on sack
9.53	18.00	19.04	5.00	5.63	5.00	4.36	11.16	50.28	" "
10.04	13.00	15.18	3.00	4.00	10.00	8.97	6.55	55.26	" "
10.4[illegible]	14.00	15.27	2.00	4.03	5.00	3.26	2.60	64.35	" "
10.35	8.00	8.07	3.00	3.43	12.00	12.04	1.31	64.80	" "

B—Unable to detect Wheat Bran.
A—Fat guarantee on sack differs from license.
C—Also detected an excessive amount of Hair and Vegetable Fibrous Material.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. A. Forrest, Minneapolis, Minn.	
‡Alpine Canadian Pure Middlings	Westminster
Fox Co., Newfield, N. J.	
Fox Fish Meal	Federalsburg
Freihofer Flour Mills, Philadelphia, Pa.	
Wheat Bran, with M. R. S. Not exceeding 8%	Sykesville
Hard Wheat Standard Middlings, with W. G. S. Not exceeding 8%	Sykesville
J. W. Frush, Millers, Md.	
Pure Wheat Bran	Millers
Pure Wheat Middlings	Millers
Fullerton Supply Co., Overlea, Md.	
Fullerton's Laying Mash	Overlea
Fullerton's Starting and Growing Mash	Overlea
*Fullerton's Poultry Scratch	Overlea
Galestown Milling Co., Galestown, Md.	
‡Pure Wheat Bran	Galestown
‡Pure Wheat Middlings	Galestown
‡*G. M. C. Scratch	Galestown
Gall & Smith, Thurmont, Md.	
G. & S. Laying Mash	Thurmont
Gambrill Grain Products Co., Baltimore, Md.	
Skor 20% Dairy Feed	Baltimore
Gambrill's Aliceanna Laying Mash	Baltimore
Hen-Lay Laying Mash	Baltimore
Gambrill's Aliceanna Growing Mash	Baltimore
*Gammalt	Baltimore
Rye Chop	Baltimore
G. B. M. Feed	Baltimore
Gardiner & Yowaiski Milling Co., Chaptico, Md.	
‡Chaptico Laying Mash	Chaptico
‡Pure Wheat Bran	Chaptico
‡Pure Wheat Middlings	Chaptico
‡Chaptico Scratch Grains	Chaptico
General Commodity Corp., Buffalo, N. Y.	
‡Dried Skimmilk	Frederick
General Mills, Inc., Minneapolis, Minn.	
Eventually Gold Medal Dairy Ration	Fullerton
Eventually Gold Medal Egg Mash, for Breeding and Laying, with DBM	Fullerton
Eventually Gold Medal Growing Mash, with DBM	Fullerton
Washburn's Gold Medal Pure Hard Wheat Adrian Red Dog	Fullerton
Eventually Gold Medal Developing Feed—No Grit	Fullerton

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.76	16.50	**17.11**	3.50	**3.99**	4.50	**4.00**	3.14	61.00	As declared on sack
8.71	55.00	**60.81**	3.00	**5.01**	3.00	**.51**	15.90	9.06	" "
8.60	16.00	**18.52**	4.00	**3.86**	11.00	**9.22**	6.36	53.44	" "
9.51	16.00	**20.60**	4.00	**4.59**	9.50	**5.67**	4.70	54.93	" "
9.45	13.00	**14.39**	3.50	**4.01**	8.00	**8.87**	5.48	57.80	" "
8.55	13.00	**12.99**	3.00	**2.64**	5.00	**1.87**	1.90	72.05	" "
9.91	20.00	**20.62**	4.50	**4.84**	6.50	**7.05**	10.57	47.01	" "
10.25	16.00	**17.11**	4.50	**4.79**	6.00	**3.94**	7.28	56.63	" "
11.97	10.00	**10.79**	3.00	**2.45**	4.50	**2.94**	1.48	70.37	" "
11.00	14.00	**16.23**	3.50	**4.91**	10.00	**9.41**	6.15	52.30	" "
10.62	14.00	**15.27**	3.50	**4.99**	5.00	**3.58**	3.17	62.37	" "
10.86	10.00	**10.09**	3.00	**2.46**	3.00	**2.53**	1.64	72.42	" "
7.13	20.00	**21.50**	4.00	**5.37**	10.00	**5.09**	9.42	51.49	" "
8.89	20.00	**22.64**	4.00	**5.68**	13.00	**11.98**	6.06	44.75	" "
10.36	20.00	**21.41**	3.50	**5.31**	8.00	**5.76**	9.10	48.06	" "
10.67	18.00	**19.83**	3.50	**5.66**	8.00	**5.68**	9.70	48.46	" "
8.97	16.00	**17.90**	4.00	**4.85**	7.00	**4.13**	8.40	55.75	" "
7.67	13.00	**12.72**	2.70	**2.15**	5.00	**5.13**	2.40	69.93	" "
7.54	10.50	**10.97**	1.50	**1.55**	2.00	**2.14**	1.83	75.97	" "
8.50	13.00	**12.81**	2.00	**2.29**	11.00	**6.59**	2.95	66.86	" "
8.77	20.00	**20.01**	5.00	**4.73**	6.50	**5.07**	10.20	51.22	" "
8.85	14.00	**13.16**	3.50	**4.66**	10.00	**11.18**	7.04	55.11	" "
10.40	14.00	**13.86**	4.00	**4.27**	6.00	**4.51**	3.30	63.66	" "
11.50	10.00	**9.30**	2.50	**2.68**	4.00	**2.74**	1.33	72.45	A.
.....	32.00	**32.91**	.50	**x1.66**	.....	.....	8.33	.....	As declared on sack
7.58	20.00	**21.24**	4.50	**4.49**	8.50	**7.61**	8.25	50.83	" "
10.02	19.00	**20.18**	5.00	**5.49**	8.00	**7.33**	11.47	45.51	" "
8.09	16.00	**20.36**	4.00	**4.98**	7.50	**5.87**	11.86	48.84	" "
9.21	16.00	**18.62**	3.50	**3.52**	4.00	**1.81**	2.18	64.66	" "
11.17	10.00	**11.41**	2.50	**2.80**	5.00	**2.73**	1.52	70.37	B.

A—Unable to detect Barley.
X—Fat as determined by the Roese-Gottlieb Method.
B—Also detected Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
General Mills, Inc., Minneapolis, Minn. (Continued)		
Eventually Gold Medal Chick Ration	Fullerton	12
Eventually Gold Medal Chick Feed—No Grit	Fullerton	11
Eventually Gold Medal Scratch Feed -No Grit	Fullerton	11
Germania Mills, Inc., Fredericksburg, Va.		
‡*Scratch Feed	Annapolis	9
J. T. Gibbons, Inc., New Orleans, La.		
Molasses and Sugar Cane Bagasse Pith	Baltimore	10
‡Molasses and Sugar Cane Bagasse Pith	Sykesville	5
Glade Valley Milling Co., Walkersville, Md.		
Gee Vee Dairy Feed	Walkersville	7
Gee Vee Laying Mash	Middletown	9
Pure Winter Wheat Bran	Walkersville	7
Winter Wheat Middlings, with M. R. S.	Walkersville	9
Golden Grain Mills, Inc., Harrisburg, Pa.		
‡Capitol Scratch	Baltimore	10
Goldsboro Milling Co., Goldsboro, Md.		
Marvil Five Point Mash	Goldsboro	8
Great Atlantic & Pacific Tea Co., New York, N. Y.		
*Milky Way Dairy Feed 24%	Oakland	8
Daily Milk Dairy Feed	Oakland	10
Daily Egg Scratch Feed—No Grt	Oakland	10
Green Acre Farms, Nazareth, Pa.		
Green Acres Brand Super Quality Alfalfa Meal	Pocomoke City	7
Green-Mish Co., Washington, D. C.		
Green-Tag Prime 45% Peanut Meal	Elkton	6
Green-Tag Prime 45% Peanut Meal	Darlington	8
Green-Tag Prime 45% Peanut Meal	Keymar	5
Green-Tag Prime 45% Peanut Meal	Sykesville	5
Green-Tag Prime 45% Peanut Meal	Frederick	5
Green-Tag Prime 41% Cottonseed Meal	Detour	7
Green-Tag Prime 41% Cottonseed Meal	Rising Sun	8
Green-Tag Prime 41% Cottonseed Meal	New Windsor	6
Green-Tag Prime 41% Cottonseed Meal	Maugansville	6
Green-Tag Prime 41% Cottonseed Meal	Kaymar	6
Green-Tag Prime 41% Cottonseed Meal	Mt. Airy	6
Green-Tag Prime 41% Cottonseed Meal	Frederick	6
W. D. Groff, Owings Mills, Md.		
Wil-Gro Laying Mash	Owings Mills	7
Hafleigh & Co., Buchanan, Va.		
‡Pure Raw Bone Meal	Silver Spring	7

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
12.74	15.50	18.69	4.00	4.73	6.00	5.23	9.80	48.81	As declared on sack
11.59	10.00	12.02	2.50	3.16	5.00	2.24	1.43	69.56	" "
11.13	10.00	11.14	3.00	3.02	4.00	2.24	1.26	71.21	" "
9.54	10.00	10.53	2.50	1.30	4.00	2.23	1.79	74.61	" "
10.27	3.00	8.69	.50	1.00	12.00	13.90	7.45	58.69	" "
5.16	3.00	3.70	.50	.99	12.00	13.28	11.51	65.36	" "
7.67	20.00	22.29	3.00	4.13	9.00	8.28	6.61	51.02	" "
9.49	20.00	20.80	5.00	4.95	6.00	4.37	8.63	51.76	" "
7.82	15.00	16.15	4.00	3.90	12.00	9.90	8.28	53.95	" "
9.37	16.00	15.97	4.00	4.01	6.00	2.94	3.81	63.90	" "
10.75	9.00	10.71	3.00	3.78	3.00	3.16	1.74	69.86	" "
8.51	20.00	20.01	4.50	5.04	9.00	8.92	11.14	46.38	" "
8.82	24.00	24.54	4.00	3.36	9.00	8.02	8.49	46.77	" "
10.20	16.00	17.75	4.00	4.15	12.00	8.42	9.42	50.06	" "
10.72	10.00	11.85	2.50	2.72	5.00	2.99	2.37	69.35	" "
7.21	13.00	16.50	2.00	2.06	30.00	29.11	10.78	34.34	" "
6.64	45.00	46.16	6.00	6.94	12.00	14.09	4.24	21.93	" "
8.19	45.00	46.51	6.00	7.74	12.00	10.31	4.30	22.95	" "
5.77	45.00	47.56	6.00	7.98	12.00	10.87	5.67	22.15	" "
5.82	45.00	47.56	6.00	9.01	12.00	10.49	4.74	22.38	" "
5.38	45.00	45.90	6.00	7.60	12.00	13.31	6.60	21.21	" "
7.07	41.00	40.37	6.00	5.51	10.00	12.35	6.33	28.37	" "
8.03	41.00	42.56	6.00	5.95	10.00	9.70	7.20	26.56	" "
6.99	41.00	42.12	6.00	6.35	10.00	12.22	6.86	25.46	" "
6.27	41.00	41.33	6.00	5.73	10.00	11.60	6.50	28.57	" "
6.98	41.00	43.18	6.00	7.83	10.00	9.19	7.03	25.79	" "
6.67	41.00	40.28	6.00	6.06	10.00	11.41	6.04	29.54	" "
6.99	41.00	41.24	6.00	6.12	10.00	11.85	6.49	27.31	" "
7.06	18.00	21.25	5.00	5.60	8.00	7.87	13.38	44.84	" "
7.35	23.00	24.66	1.00	1.10	.50	.54	68.20	.....	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hales & Hunter Co., Chicago, Ill.	
‡*Red Horn 32% Dairy Balancer	Walkersville
‡*Red Horn 24% Dairy Feed	Walkersville
*Special Red Horn 24% Dairy Feed	Annapolis
‡*Special Red Horn 24% Dairy Feed	Walkersville
‡*Special Red Horn 20% Dairy Feed	Annapolis
‡Sugared Dairy Base	Walkersville
Red Comb Egg Mash, with DBM.	Baltimore
Red Comb Growing Mash, with DBM.	Annapolis
‡Red Comb Balancer, with DBM.	Walkersville
Red Comb Broiler Mash, with DBM.	Baltimore
Kingfalfa Horse Feed	Annapolis
‡Reground Oat Feed, with Molasses	Walkersville
Red Comb Chick Starter, with DBM.	Walkersville
Red Comb Chick Starter, with DBM.	Baltimore
‡*Morning Glory Fine Chick	Baltimore
Red Comb Fine Chick No Grit	Baltimore
Red Comb Coarse Chick No Grit	Baltimore
Morning Glory Scratch Feed	Annapolis
Red Comb Scratch Feed No Grit	Annapolis
Pound Squab Pigeon Feed No Grit	Annapolis
Red Comb Turkey Starter, with DBM.	Annapolis
‡Red Comb Turkey Starter, with DBM.	Baltimore
Victoria Rabbit Feed	Baltimore
Hall Milling Co., St. Louis, Mo.	
Palace Pure Wheat Bran	Sparks
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash	Hampstead
Home Made Growing Mash	Hampstead
Home Made Hog Feed	Hampstead
Hampstead Milling Co., Inc., Hampstead, Md.	
Hamco Egg Mash	Hampstead
Winter Wheat Bran, M. R. S.	Hampstead
Winter Wheat Middlings	Hampstead
Hancock Flour & Feed Co., Hancock, Md.	
Potomac Laying Mash	Hancock
Pure Wheat Bran	Hancock
Soft Winter Wheat Bran	Hancock
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Egg and Growing Mash	Middleburg
Use More Pig and Hog Meal	Middleburg
Use More Pig and Hog Meal	Middleburg
Hecker-H-O Co., Inc., Buffalo, N. Y.	
Oat Mill Feed	Baltimore

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.92	32.00	**31.12**	6.00	**1.57**	7.00	**5.92**	9.33	41.14	As declared on sack
10.95	24.00	**24.06**	5.00	**3.20**	10.00	**6.94**	6.90	47.95	" "
11.54	24.00	**24.06**	4.00	**3.50**	11.00	**7.94**	8.04	44.92	" "
11.09	24.00	**23.40**	4.00	**2.73**	11.00	**8.84**	8.62	45.32	" "
10.45	20.00	**20.60**	4.00	**3.30**	11.00	**8.80**	9.62	47.23	" "
10.88	5.00	**8.84**	1.50	**1.88**	26.00	**19.06**	7.97	51.37	" "
8.95	18.00	**19.74**	4.00	**3.93**	7.00	**6.17**	10.41	50.80	" "
8.48	16.00	**18.87**	4.00	**5.09**	7.00	**6.62**	9.46	51.48	" "
8.54	26.00	**26.59**	5.00	**7.13**	8.00	**7.32**	15.88	34.54	" "
8.93	18.00	**19.71**	4.00	**4.64**	7.00	**5.07**	7.74	53.91	" "
11.15	9.00	**10.64**	2.50	**3.05**	10.00	**5.23**	3.32	66.61	" "
8.64	4.00	**4.66**	1.00	**1.03**	27.00	**26.30**	7.01	52.36	" "
7.70	18.00	**21.32**	4.00	**4.53**	6.00	**5.13**	7.84	53.48	" "
9.07	18.00	**21.59**	4.00	**4.00**	6.00	**4.98**	8.54	51.82	" "
11.04	10.00	**11.14**	2.50	**1.80**	5.00	**1.70**	2.05	72.27	" "
11.80	10.00	**11.93**	2.50	**2.15**	5.00	**1.54**	1.81	70.77	" "
10.65	10.00	**11.85**	2.50	**3.05**	5.00	**2.75**	1.65	70.05	" "
10.61	10.00	**11.93**	2.50	**2.39**	5.00	**2.81**	1.22	71.05	" "
10.50	10.00	**10.97**	2.50	**2.40**	5.00	**2.22**	1.83	72.08	" "
10.77	10.00	**15.36**	2.50	**3.20**	5.00	**4.09**	1.69	64.89	" "
8.54	25.00	**25.62**	5.00	**6.56**	6.00	**6.03**	10.28	42.97	" "
8.91	25.00	**25.36**	5.00	**5.79**	6.00	**5.61**	10.68	43.65	" "
10.38	12.00	**13.68**	2.00	**2.41**	20.00	**12.48**	8.19	52.86	" "
8.67	15.00	**16.41**	4.00	**3.75**	10.50	**9.67**	7.00	54.50	" "
8.21	20.00	**21.94**	4.50	**5.07**	8.00	**7.19**	9.73	47.86	" "
8.12	17.00	**19.66**	4.00	**5.42**	7.00	**6.43**	8.95	51.42	" "
8.53	15.00	**17.20**	4.00	**5.26**	8.00	**5.76**	6.93	56.32	" "
8.24	20.00	**21.50**	4.00	**4.31**	8.00	**6.94**	11.40	47.61	" "
8.45	14.00	**15.27**	4.00	**4.04**	10.50	**9.72**	8.20	54.32	" "
9.06	15.00	**16.23**	4.00	**3.92**	6.00	**5.03**	4.45	61.31	" "
10.06	20.00	**20.80**	4.50	**5.08**	6.50	**5.42**	9.66	48.98	A.
9.79	14.00	**17.02**	3.50	**4.21**	10.00	**6.49**	4.90	57.59	As declared on sack
9.68	14.00	**17.20**	3.50	**4.17**	10.00	**7.04**	4.80	57.11	" "
12.48	16.50	**19.39**	4.00	**3.60**	10.00	**10.02**	5.97	48.54	" "
9.50	20.00	**20.53**	4.00	**4.49**	7.00	**5.88**	7.22	52.38	" "
9.97	19.00	**18.78**	5.00	**4.52**	5.00	**5.11**	7.91	53.71	B.
8.66	19.00	**19.74**	5.00	**4.78**	5.00	**3.41**	7.19	56.22	C.
5.19	6.00	**5.97**	2.00	**2.05**	28.00	**29.12**	6.74	50.93	As declared on sack

X—Fat as determined by the Roese-Gottlieb Method.
A—Also detected Charcoal.
B—Also detected Meat and Bone Scrap.
C—Also detected Corn Gluten and Ground Wheat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hecker-Jones-Jewell Milling Div. of Standard Milling Co., Buffalo, N. Y.	
Choice Wheat Bran, with Ground Screen. N. Ex. M. R.	Medford
Hershey Creamery Co., Harrisburg, Pa.	
Hershey's Superior Powdered Skim Milk	Hagerstown
Hespenheide & Thompson, York, Pa.	
Premier 32% Farm Mixing Feed	Greensboro
Dictator 24% Dairy Feed	Baltimore
Premier 24% Dairy Feed (Sweet)	Berlin
York 20% Dairy Feed	Bel Air
Premier 16% Dairy Feed	Berlin
Permier Egg Mash, with BM., Charcoal and Minerals	Baltimore
Premier Egg Mash, with BM., Charcoal and Minerals	Baltimore
Premier Growing Mash, with Cod Liver Oil	Jarrettsville
Premier Pig and Hog Meal	Jarrettsville
Premier Calf Meal	Parkton
Premier Starting and Growing Mash, with Cod Liver Oil	Parkton
Premier Baby Chick Starter, with Cod Liver Oil	Parkton
Premier Chick Feed	Baltimore
Premier Intermediate Chick Feed	Baltimore
York Scratch Feed	Baltimore
Premier Turkey Developer	Parkton
Premier Turkey Starter	Parkton
J. E. Higman & Sons, Millington, Md.	
Pure Wheat Bran	Millington
Pure Wheat Middlings	Millington
Hood Mills Co., Baltimore, Md.	
‡Hood Red Arrow Flour Middlings	Baltimore
‡Fine Ground Feeding Oat Meal	Maryland Line
John P. Howard, Hagerstown, Md.	
‡Howard's Poultry Mash	Hagerstown
‡*Howard's Pigeon Feed, without Corn	Hagerstown
‡Howard's Pigeon Feed, with Corn	Hagerstown
‡Howard's Scratch Grains	Hagerstown
Hurlock Milling Co., Hurlock, Md.	
*Best Quality Laying Mash	Hurlock
Best Quality Pig and Hog Meal	Hurlock
†Best Quality Pig and Hog Meal	Hurlock
Wheat Bran and Screenings	Hurlock
*Pure Wheat Middlings	Hurlock
Huston, Culver & Co., Seaford, Del.	
Fish Meal	Salisbury
Independent Manufacturing Co., Philadelphia, Pa.	
Independent's 55% Meat Scrap and Bone	St. Michaels

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.01	13.50	17.11	3.50	4.76	14.00	10.00	8.48	51.64	As declared on sack
.....	32.00	34.49	.25	x .84	.....	.....	8.10	.....	" "
9.54	32.00	33.72	4.00	5.28	10.00	6.96	6.59	37.91	" "
10.93	24.00	24.46	3.50	4.17	12.00	7.59	6.44	46.41	" "
11.35	24.00	25.06	4.00	3.71	12.00	7.69	7.58	44.61	A.
9.56	20.00	22.11	3.50	3.53	12.00	9.54	9.33	45.93	As declared on sack
9.73	16.00	17.72	3.00	3.74	12.00	12.02	11.29	45.50	" "
9.48	20.00	20.18	4.50	4.67	7.00	7.68	8.29	49.70	" "
9.14	20.00	20.01	4.50	5.37	7.00	7.08	8.03	50.37	" "
8.88	17.00	17.81	4.00	4.58	7.00	6.48	8.40	53.85	" "
8.75	16.00	17.72	4.00	4.00	7.00	7.04	10.60	51.89	" "
8.89	20.00	25.18	3.00	3.63	4.50	3.35	7.47	51.48	" "
8.89	16.00	17.90	4.00	5.68	6.00	4.98	4.86	57.69	" "
9.22	18.00	19.04	4.00	5.61	5.00	5.11	5.83	55.19	" "
11.49	10.00	11.85	2.50	3.05	4.00	1.22	1.82	70.57	" "
10.46	10.00	11.50	2.50	2.98	4.00	1.96	1.65	71.45	B.
11.74	9.00	10.00	2.50	3.23	5.00	2.80	1.35	70.88	As declared on sack
7.05	20.00	22.11	3.50	4.74	8.00	5.21	9.02	51.87	" "
8.36	24.00	24.66	4.00	6.11	8.00	4.35	10.81	45.71	" "
9.28	13.00	14.62	3.00	3.52	9.00	10.46	7.25	54.87	" "
10.28	14.00	15.62	4.00	4.78	5.00	4.90	4.12	60.30	" "
9.27	14.00	16 06	3.00	3.29	5.00	3.96	3.58	63.84	C.
10.48	14.00	16.85	5.00	5.76	4.00	5.01	3.50	58.40	As declared on sack
9.72	18.00	18.60	5.00	4.65	7.00	6.79	12.50	47.75	A.
10.54	14.00	14.04	3.00	2.38	4.00	3.74	2.25	67.05	D.
10.37	12.50	12.29	3.25	3.09	3.50	3.36	1.76	69.13	As declared on sack
10.60	10.00	10.88	2.50	3.04	4.00	3.56	1.70	70.22	" "
7.63	20.00	20.80	4.50	3.98	9.50	7.31	10.70	49.58	" "
7.33	20.00	20.71	4.50	4.23	8.00	6.41	9.95	51.37	A.
9.30	20.00	17.46	4.50	3.93	8.00	6.24	6.62	56.45	A.
8.83	14.50	14.22	4.00	4.14	9.00	9.24	6.70	56.87	As declared on sack
10.62	14.50	14.22	4.00	3.37	9.00	2.85	2.91	66.03	" "
9.02	55.00	61.08	4.00	4.38	1.00	1.14	22.90	1.48	" "
5.06	55.00	55.55	8.00	11.63	3.00	1.64	26.08	.04	" "

A—Ingredients on sack differ from license.
B—Also detected Barley.
C—Also detected Ground Screenings.
D—Unable to detect Hulled Oats.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
Pure Wheat Bran	Ingleside
*Pure Wheat Middlings	Ingleside
Ingleside Starter and Grower Mash	Ingleside
Ingleside Turkey Mash	Goldsboro
International Milling Co., Minneapolis, Minn.	
Blackhawk Pure Wheat Bran	Baltimore
Blackhawk Wheat Standard Middlings, with Ground Screen N. Ex. M. R.	Baltimore
Jefferson Mills, Inc., Charlestown, W. Va.	
‡*Pure Winter Wheat Bran	Brunswick
R. D. Johnson Milling Co., Cumberland, Md.	
*Atlas Dairy Feed	Cumberland
Atlas Egg Mash	Cumberland
Wheat Bran and Screenings	Cumberland
Wheat Shorts	Cumberland
†Atlas Scratch Feed	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
*Kasco 32% Mixing Feed	Hagerstown
*Kasco Mormilk Dairy Ration	Cumberland
*Oc-Sak 24% Dairy Feed	Hancock
Beatsall Milk Grains	Oakland
Beatsall Milk Grains	Oakland
Kasco 16% Dairy Feed	Hagerstown
Apex Laying Mash	Hancock
‡Oc-Sak Laying Mash	Hagerstown
‡Kasco Mash Supplement	Hagerstown
Kasco Poultry Flushing Mash	Hagerstown
‡Kasco Poultry Fattener	Hagerstown
Oc-Sak Horse Feed	Cumberland
‡Oc-Sak Horse Feed	Oakland
‡Kasco Bulky Sweet Feed	Annapolis
‡Apex Sugared Chop	Oakland
‡Oc-Sak Roughage Ration	Oakland
Kasco Pig-Hog Feed	Hagerstown
‡Apex Starter	Hagerstown
Kasco All Mash Chick Food	Hagerstown
Kasco All Mash Chick Food	Oakland
‡Oc-Sak Chick Grains	Annapolis
Apex Scratch Grains	Annapolis
Kasco Pigeon Feed	Hagerstown
Kasco Turkey Starter	Cumberland
Kasco Turkey Starter and Grower	Oakland
Kasco Complete Rabbit Ration	Hagerstown

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.56	17.00	**19.04**	3.50	**4.87**	9.50	**7.70**	10.49	49.34	A.
9.98	13.00	**14.30**	3.00	**4.02**	9.00	**10.14**	6.76	54.80	As declared on sack
10.54	13.00	**12.81**	3.50	**2.87**	9.50	**2.58**	2.20	69.00	" "
8.48	17.00	**17.11**	4.00	**6.09**	6.00	**4.33**	9.21	54.78	" "
8.58	20.00	**23.17**	4.50	**5.30**	10.00	**8.94**	12.89	41.12	A.
9.90	15.00	**17.11**	3.20	**3.84**	12.00	**10.16**	6.55	52.44	As declared on sack
10.48	16.00	**18.16**	4.50	**4.52**	8.50	**7.84**	5.07	53.98	" "
9.56	14.00	**15.88**	4.00	**3.01**	11.00	**7.06**	4.86	59.64	" "
9.98	22.00	**19.31**	4.90	**5.88**	10.00	**7.68**	9.16	47.98	" "
9.73	18.00	**22.38**	4.00	**7.39**	7.00	**4.89**	10.90	44.71	A.
10.68	16.00	**16.41**	4.00	**4.94**	9.00	**9.39**	6.39	52.19	As declared on sack
9.15	17.00	**17.90**	5.00	**4.86**	6.00	**7.48**	5.05	55.56	" "
11.20	11.50	**10.09**	3.46	**2.97**	2.48	**2.67**	1.33	71.74	" "
9.32	32.00	**32.86**	5.00	**4.29**	10.00	**7.35**	6.89	39.29	" "
8.37	24.00	**25.13**	4.50	**3.50**	10.00	**9.41**	6.69	46.90	" "
9.54	24.00	**22.06**	4.00	**3.60**	12.00	**9.96**	7.77	47.07	" "
9.50	22.00	**21.74**	4.00	**3.99**	10.00	**8.75**	6.46	49.56	" "
10.08	22.00	**22.67**	4.00	**3.85**	10.00	**8.81**	5.45	49.14	" "
8.40	16.00	**17.63**	3.50	**3.92**	12.00	**12.58**	8.82	48.65	" "
8.73	20.00	**20.01**	4.00	**4.54**	8.50	**5.97**	12.20	48.55	" "
8.49	17.00	**18.87**	3.50	**4.91**	8.50	**6.96**	11.20	49.57	" "
8.37	26.00	**27.38**	5.00	**5.18**	6.50	**6.78**	21.07	31.22	" "
7.71	17.00	**18.43**	4.00	**4.89**	5.50	**4.25**	11.48	53.25	" "
8.44	13.00	**17.11**	4.50	**6.46**	5.00	**5.43**	8.86	53.70	" "
11.27	9.00	**11.42**	2.25	**2.73**	12.00	**10.74**	7.84	56.00	" "
11.85	9.00	**8.35**	2.25	**2.12**	12.00	**13.97**	4.74	58.97	" "
11.65	9.00	**13.50**	1.50	**3.30**	15.00	**15.26**	7.00	49.29	" "
10.33	10.00	**10.13**	3.00	**3.04**	12.00	**13.62**	6.46	56.42	B.
12.18	8.00	**9.01**	.50	**1.27**	30.00	**20.02**	8.27	49.25	As declared on sack
8.39	17.00	**19.13**	4.50	**4.68**	7.50	**6.70**	10.10	51.00	" "
9.14	15.00	**16.32**	4.00	**4.75**	6.00	**5.95**	9.40	54.44	" "
7.35	17.00	**18.60**	4.00	**4.72**	5.50	**6.12**	10.75	52.46	" "
8.17	17.00	**17.02**	4.00	**4.86**	5.50	**5.77**	10.13	54.05	" "
11.47	9.00	**11.06**	2.50	**2.52**	3.50	**1.90**	1.46	71.59	" "
11.38	9.00	**10.71**	2.50	**3.98**	4.00	**2.70**	1.30	69.93	" "
9.95	12.00	**14.74**	2.50	**2.50**	4.00	**3.97**	3.80	65.04	" "
7.44	24.00	**25.45**	4.00	**4.82**	8.00	**7.07**	16.62	38.60	" "
7.39	20.00	**24.57**	4.00	**4.83**	8.00	**6.75**	15.69	40.77	" "
10.61	12.00	**14.74**	2.00	**2.65**	20.00	**14.96**	6.81	50.23	" "

A—Ingredients on sack differ from license.
B—Also detected Whole Weed Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Keedysville Milling Co., Keedysville, Md.	
‡Eureka Laying Mash	Keedysville
‡Wheat Bran	Keedysville
‡Wheat Middlings, with M. R. S.	Keedysville
Kershaw Oil Mill, Kershaw, S. C.	
"Palmetto Brand" Cotton Seed Meal	Frederick
Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Detour
The Detour Laying Mash	Detour
The Key Laying Mash	Detour
The Key Pig Meal	Detour
The Key Starting Mash	Detour
Pure Ground Oats	Detour
Pure Corn Meal	Detour
The Key Scratch Grains	Detour
Keystone Dairy Co., New York, N. Y.	
Skim Milk Powder	St. Michaels
King Bros. & Co., Philadelphia, Pa.	
King's 42% Protein Soyabean Oil Meal	Detour
‡King's 55% Protein Sardine Fish Meal	Chestertown
‡King's Dried Beet Pulp	Elkton
King's Pure Dried Skim Milk	Elkton
King's Pure Dried Skim Milk	Pocomoke City
H. H. King Flour Mills Co., Minneapolis, Minn.	
Fancy Brodflake	Baltimore
Kline Bros., Inc., Boonsboro, Md.	
Pure Wheat Bran	Benevola
Wheat Middlings	Chewsville
Kline Brothers Scratch Grains	Benevola
Charles F. Knock, Frederick, Md.	
Laying Mash, with BM	Frederick
Growing Mash, with BM	Frederick
Chick Feed	Frederick
Medium Scratch Feed	Frederick
Scratch Feed	Frederick
H. C. Knoke & Co., Chicago, Ill.	
‡*Barley Feed	Ellicott City
Barley Feed	Washington Grove
Kraft-Phenix Cheese Corp., Chicago, Ill.	
"Kraco" Milk Sugar Feed	Baltimore

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.25	20.00	22.03	5.00	4.59	7.00	6.28	9.40	49.45	As declared on sack
8.68	13.50	14.74	3.20	3.55	9.00	10.54	7.03	55.46	A.
10.31	14.00	15.36	3.50	4.49	4.00	4.69	4.10	61.05	A.
5.61	41.00	41.77	6.00	6.32	10.00	10.39	7.18	28.73	" "
6.65	32.00	33.61	4.75	4.93	9.00	9.00	7.68	38.13	A.
8.94	20.00	22.99	4.00	5.18	11.00	8.32	7.46	47.11	As declared on sack
8.36	19.00	20.88	4.50	5.40	9.00	8.22	9.54	47.60	" "
8.04	19.00	20.36	5.00	5.19	7.00	6.59	9.98	49.84	" "
8.68	17.00	18.95	4.00	5.71	7.00	6.11	8.27	52.28	" "
10.19	16.00	18.25	4.50	5.28	6.00	4.70	6.15	55.43	" "
8.88	11.00	10.35	3.50	5.95	12.00	12.26	4.39	58.17	" "
11.61	9.00	9.04	4.00	3.90	3.00	2.24	1.56	71.65	" "
11.65	10.00	10.27	2.75	3.23	4.00	2.67	1.59	70.5	" "
.....	32.00	36.15	.75	x1.14	.....	.....	8.09	.....	" "
8.35	42.00	43.44	4.00	7.52	5.00	5.69	6.95	28.05	" "
7.15	55.00	59.23	8.00	8.38	1.00	1.02	16.18	8.04	" "
8.02	7.00	8.34	.30	.75	20.00	17.14	5.72	60.03	" "
.....	30.00	35.19	1.00	x1.24	.....	.....	7.84	.....	" "
.....	30.00	35.98	1.00	x .97	.....	.....	8.30	.....	" "
8.72	14.50	16.90	4.00	4.77	11.00	11.33	6.70	51.58	" "
8.69	14.00	14.74	4.00	4.17	9.00	11.96	7.78	52.66	" "
9.48	15.00	16.41	4.00	4.15	5.00	4.56	4.55	60.85	" "
10.85	9.00	11.14	2.50	2.96	6.00	2.13	1.80	71.12	E.
9.19	18.00	19.57	3.00	5.21	6.00	4.85	8.20	52.98	B.
8.37	15.00	17.64	4.00	4.65	10.00	3.80	5.27	60.27	E.
11.04	9.00	11.50	3.00	5.24	5.00	1.90	2.26	68.06	D.
11.01	9.00	10.53	3.00	3.73	5.00	2.90	2.40	69.43	As declared on sack
12.01	9.00	10.27	3.00	3.17	5.00	3.04	1.45	70.06	" "
7.60	14.00	11.25	3.00	4.28	13.50	9.86	4.00	63.01	As declared on sack
11.15	14.00	15.62	3.00	5.01	13.50	9.90	4.17	54.15	" "
.....	12.00	12.90	.50	x .45	.....	.....	13.33	.....	" "

A—Fibre guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.
E—Ingredients on sack differ from license.
B—Fibre guarantee on sack differs from license. Also detected Ground Barley.
C—Ingredients on sack differ from license.
D—Fibre guarantee and Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ray Kramer, Mt. Lebanon, Pittsburgh, Pa.	
*Kramer's Fancy Distillers Dried Grains	Reid
*Kramer's Fancy Distillers Dried Grains	Darlington
‡*Kramer's Fancy Distillers Dried Grains	Maugansville
Chas. A. Krause Milling Co., Milwaukee, Wis.	
‡Blue Top Horse Feed	Baltimore
‡Badger White Hominy Feed	Westminster
H. Curtis Krout, Maryland Line, Md.	
Krout's Dairy Ration	Maryland Line
Krout's Egg Mash, with Cod Liver Oil	Maryland Line
Krout's Baby Chick Mash	Maryland Line
La Grange Mills, Red Wing, Minn.	
Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.	Rising Sun
Pure Wheat Flour Middlings	Rising Sun
Lakeview Milling Co., Chambersburg, Pa.	
Soft Winter Wheat Bran, with Ground Screenings	Chewsville
Lake of the Woods Milling Co., Limited, Montreal, Canada	
‡Lakewood Wheat Bran	Westminster
F. S. Langrell, Preston, Md.	
Pure Wheat Bran	Preston
Pure Wheat Middlings	Preston
Larrowe Milling Co., Detroit, Mich.	
‡Larrowe's 32% Dairy Feed	Hampstead
‡Larrowe's 32% Dairy Feed	Westover
Larro—The Ready Ration for Dairy Cows	Hampstead
Larro—The Ready Ration for Dairy Cows	Baltimore
Larrowe's 16% Dairy Feed	Baltimore
Larro Egg Mash	Baltimore
Larro Growing Mash	Baltimore
Dried Beet Pulp	Baltimore
Larro Chick Starter	Baltimore
Larro Chick Grains	Baltimore
Larro Scratch Grains	Baltimore
I. F. Laucks, Incorporated, Portsmouth, Va.	
Laux Pure Old Process Soybean Oil Meal	Cambridge
Laux Pure Old Process Soybean Oil Meal	Baltimore
Leitersburg Milling Co., Leitersburg, Md.	
Pure Wheat Bran	Leitersburg
*Pure Wheat Middlings	Leitersburg
Liberty Milling Co., Germantown, Md.	
Montgomery 26% Dairy Feed	Germantown
Liberty 22% Dairy Feed	Germantown

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.64	17.00	**17.38**	6.00	**5.06**	17.00	**16.85**	1.92	52.15	A.
5.71	17.00	**16.23**	6.00	**4.86**	17.00	**15.29**	2.32	55.59	A.
5.99	16.00	**16.67**	6.00	**5.50**	17.00	**15.61**	2.33	53.90	As declared on sack
9.29	10.00	**12.00**	1.00	**3.14**	16.00	**9.62**	4.71	61.24	" "
8.17	10.00	**11.23**	6.00	**7.36**	5.00	**5.19**	2.95	65.10	" "
8.90	20.00	**21.94**	3.75	**4.28**	12.00	**9.57**	5.75	49.56	" "
7.42	20.00	**21.24**	4.00	**5.86**	7.00	**6.91**	10.48	48.09	B.
8.92	15.00	**17.02**	4.00	**4.92**	5.50	**5.23**	8.66	55.25	As declared on sack
9.70	16.50	**18.60**	5.00	**4.87**	9.50	**6.37**	4.38	56.08	" "
11.18	16.50	**18.43**	3.50	**4.31**	5.00	**3.51**	3.45	59.12	" "
9.73	14.00	**15.80**	4.00	**4.05**	9.50	**9.26**	9.52	51.64	" "
10.19	15.00	**17.02**	3.50	**3.96**	11.50	**8.37**	4.86	55.60	" "
7.84	13.00	**13.69**	3.00	**3.10**	10.00	**8.54**	5.90	60.93	" "
10.46	13.00	**14.22**	3.00	**3.94**	7.00	**2.81**	3.20	65.37	" "
8.34	32.00	**33.35**	4.00	**4.69**	10.50	**10.73**	8.90	33.99	" "
7.56	32.00	**32.82**	4.00	**4.84**	10.50	**10.18**	8.24	36.36	" "
8.83	20.00	**21.24**	3.75	**3.78**	12.00	**10.64**	6.20	49.31	" "
9.35	20.00	**21.67**	3.75	**3.88**	12.00	**10.03**	6.55	48.52	" "
7.19	16.00	**17.11**	3.00	**3.42**	11.00	**10.21**	5.88	56.19	" "
9.38	19.00	**20.45**	4.00	**4.91**	7.50	**6.95**	11.06	47.25	" "
10.32	16.00	**18.25**	4.00	**4.25**	7.50	**6.15**	9.36	51.67	" "
8.32	7.00	**9.83**	.30	**.95**	22.50	**22.03**	4.04	54.83	" "
9.93	16.50	**18.69**	4.50	**4.46**	5.50	**4.89**	8.93	53.10	" "
10.91	10.00	**11.14**	2.00	**3.21**	4.00	**1.78**	1.65	71.31	" "
11.25	10.00	**11.41**	2.00	**1.83**	4.00	**2.32**	1.45	71.74	" "
8.18	41.00	**44.93**	4.50	**7.76**	7.00	**5.61**	6.23	27.29	" "
9.58	41.00	**45.54**	4.50	**6.50**	7.00	**5.52**	5.70	27.16	" "
7.85	14.00	**16.94**	4.00	**3.67**	10.00	**9.26**	5.65	56.63	" "
9.98	15.00	**15.27**	4.50	**3.37**	4.00	**3.11**	2.40	65.87	" "
8.20	26.00	**27.64**	5.00	**4.52**	9.00	**9.70**	8.40	41.54	" "
7.80	22.00	**23.96**	5.00	**4.89**	10.00	**9.64**	7.85	45.86	B.

A—Protein guarantee on sack differs from license.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
Liberty Milling Co., Germantown, Md. (Continued)		
Liberty Egg Mash	Germantown	8
Liberty Growing Mash	Germantown	8
Liberty Pure Bran	Germantown	8
Liberty Soft Winter Middlings, with M. R. S.	Germantown	11
Liberty Baby Chick Starter	Germantown	10
Liberty Scratch Grains	Germantown	9
Linwood Elevator Co., Linwood, Md.		
Linwood Dairy Feed	Linwood	8
Linwood Laying Mash	Linwood	8
Linwood Complete Pig Meal	Linwood	8
Linwood Pigeon Feed	Linwood	9
Lone Maple Tree Poultry Farm, Preston, Md.		
Lone Maple Tree All Mash Grower	Preston	9
Lone Maple Tree Chick Starter	Preston	8
Loudonville Milling Co., Loudonville, Ohio		
"Le Grande" Dairy Feed	Oakland	8
*"Le Grande Egg Mash	Oakland	8
‡"Le Grande" Fine Chick Feed	Oakland	9
"Le Grande" Scratch Feed	Cakland	10
L. B. Lovitt & Co., Memphis, Tenn.		
"Lovit Brand" 41% Protein Cotton Seed Meal	Taneytown	7
Marion Cotton Oil Co., Marion, S. C.		
"Pee Dee Brand" Cotton Seed Meal	Hagerstown	6
Maritime Milling Co., Inc., Buffalo, N. Y.		
Bull Brand "24%" Dairy Ration Sweetened	Baltimore	9
B-B. Marimco 16% Protein Dairy Feed, with Molasses	Baltimore	10
B-B. Daisy Egg Mash, with DBM	Baltimore	9
Bull Brand Laying Mash, with Milk Sugar Feed and DBM.	Baltimore	9
Bull Brand Laying Mash Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM	Baltimore	9
‡Dollar Maker Growing Mash Vitamized with Cod Liver Oil and DBM	Federalsburg	8
‡Bull Brand Growing Mash Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM	Baltimore	8
Bull Brand Horse Feed, with Alfalfa and Molasses	Baltimore	10
Pure Corn and Oats Half and Half	Baltimore	9
Bull Brand Calf Meal	Baltimore	9
‡B-B. Daisy All Mash Starter and Growing Feed, Vitamized with Cod Liver Oil Milk Sugar Feed and DBM.	Baltimore	8
‡B-B. Developing Feed	Baltimore	8
‡B-B. Daisy Chick Feed	Baltimore	11
B-B. Daisy Scratch Feed	Baltimore	12
‡B-B. Complete Turkey Starter Mash Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM	Federalsburg	7

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.79	19.00	**20.80**	4.50	**5.36**	7.00	**5.95**	11.50	47.60	B.
8.37	18.00	**19.13**	4.00	**4.61**	8.50	**5.99**	9.30	52.60	C.
8.12	14.00	**14.30**	4.00	**4.04**	10.50	**9.73**	7.70	56.11	As declared on sack
11.06	15.00	**16.85**	4.00	**4.87**	6.00	**4.75**	5.46	57.01	" "
10.37	14.00	**15.27**	4.00	**4.32**	3.50	**3.49**	6.60	59.95	D.
9.27	10.00	**10.27**	3.50	**3.75**	3.00	**2.55**	1.80	72.36	E.
8.46	16.00	**16.85**	3.50	**3.24**	12.00	**15.70**	8.78	46.97	A.
8.04	18.00	**20.71**	4.50	**4.56**	8.00	**7.85**	12.20	46.64	As declared on sack
8.58	15.00	**19.31**	4.50	**4.36**	6.00	**7.61**	9.21	50.93	" "
9.86	14.00	**14.48**	2.50	**4.36**	5.00	**4.34**	2.27	64.69	" "
9.09	15.00	**16.67**	3.00	**4.35**	6.00	**5.11**	7.68	57.10	F.
8.88	15.00	**16.06**	3.00	**3.48**	6.00	**5.58**	6.56	59.44	F.
8.51	20.00	**22.29**	4.00	**4.62**	9.00	**7.36**	7.10	50.12	As declared on sack
8.37	17.00	**18.87**	4.00	**3.38**	8.00	**6.09**	11.80	51.49	" "
9.59	11.00	**10.97**	3.60	**3.19**	3.40	**1.50**	2.36	72.39	" "
10.55	10.00	**10.00**	2.50	**3.19**	3.00	**2.85**	1.40	72.01	G.
7.30	41.00	**41.86**	5.00	**6.97**	13.00	**10.32**	6.41	27.14	As declared on sack
6.19	41.00	**41.33**	6.00	**6.18**	10.00	**11.56**	6.85	27.89	" "
9.79	24.00	**25.46**	4.50	**4.15**	11.00	**8.59**	7.61	44.40	" "
10.74	16.00	**18.40**	4.00	**4.61**	12.00	**10.63**	8.60	47.02	" "
9.85	18.00	**19.39**	3.50	**5.64**	7.00	**6.57**	10.80	47.75	" "
9.53	20.00	**20.45**	4.50	**5.44**	7.00	**6.60**	11.06	46.92	" "
9.56	20.00	**20.36**	4.50	**5.73**	7.00	**6.65**	11.35	46.35	" "
8.89	15.00	**16.29**	3.50	**5.75**	9.00	**6.73**	10.33	52.01	" "
8.65	16.00	**17.72**	4.50	**5.27**	7.00	**5.99**	7.66	54.71	" "
10.11	8.00	**11.46**	2.00	**3.45**	10.00	**6.10**	3.52	65.36	" "
9.59	10.00	**12.29**	3.00	**3.30**	7.00	**4.65**	2.01	68.16	" "
9.72	22.00	**24.39**	4.00	**4.47**	5.00	**3.47**	6.50	51.45	" "
8.57	17.00	**17.90**	4.00	**5.45**	7.00	**5.87**	6.80	55.41	" "
8.39	10.00	**11.85**	2.00	**2.94**	5.00	**2.11**	1.64	73.07	" "
11.54	10.00	**11.50**	2.00	**2.28**	4.00	**1.71**	1.46	71.51	" "
12.70	9.00	**11.14**	2.50	**2.61**	5.00	**2.71**	1.20	69.64	" "
7.25	25.00	**26.94**	5.50	**6.14**	6.00	**4.91**	13.58	41.18	" "

B—Protein guarantee and Ingredients on sack differ from license.
C—Fibre guarantee and Ingredients on sack differ from license.
D—Fibre guarantee on sack differs from license.
E—Fat and Fibre guarantee and Ingredients on sack differ from license.
A—Also detected Corn Cob Meal.
F—Ingredients on sack differ from license.
G—Also detected Oats.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
J. D. Earl Martin, Hagerstown, Md.		
Reid's 16% Dairy Feed	Hagerstown	10.0
Maryland Cereal Co., Baltimore, Md.		
American Laying Mash, with BM	Baltimore	8.1
American Scratch Feed	Baltimore	11.1
Maurer Manufacturing Co., Newark, N. J.		
Kawlity Meat and Bone Scrap	Mardela Springs	7.1
Mauser Mill Co., Treichlers, Pa.		
Mauser's Flour Middlings, with M. R. S.	Frederick	10.6
John B. Medford, Henderson, Md.		
Medford's Laying Mash	Henderson	9.0
Mennel Milling Co., Toledo, Ohio		
Memo Soft Wheat Flour Middlings, with M. R. S.	Lewistown	10.7
Henry Mesner & Son, Baltimore, Md.		
‡E-Z-Fed Laying Mash, with BM., Cod Liver Oil and Minerals	Baltimore	8.7
‡E-Z-Fed Baby Chick Starter, with BM., Cod Liver Oil and Minerals	Baltimore	9.0
Metcalfe Bros., Chestertown, Md.		
Chester 20% Dairy Feed	Chestertown	8.19
Chester Laying Mash	Chestertown	8.38
‡Special Laying Mash	Chestertown	8.19
Chester Poult Mash	Chestertown	8.71
Leo H. Michael, Buckeystown, Md.		
Michael's Laying Mash	Buckeystown	8.45
Mitsui & Co., Ltd., New York, N. Y.		
‡Manchurian Pressed Cake Powder Soya Bean Meal Old Process	Elkton	7.46
Mt. Airy Milling Co., Mt. Airy, Md.		
Lamore Egg Mash	Mt. Airy	7.66
Husky Growing Mash	Mt. Airy	8.23
Winter Wheat Bran, with M. R. S.	Mt. Airy	8.96
Winter Wheat Middlings, with M. R. S.	Mt. Airy	10.02
*Lamore Scratch Feed	Mt. Airy	11.45
Mutual Rendering Co., Inc., Philadelphia, Pa.		
Mureco Meat Scrap	Ellicott City	5.50
*Mureco Meat Scrap	Denton	6.22
Mureco Meat Scrap	Denton	6.39
*Mureco Meat Scrap	Rising Sun	6.81
Mureco Meat and Bone	Denton	5.68
*Mureco Meat and Bone	Mardela Springs	6.11
Mureco Meat and Bone	Cambridge	6.02
*Mureco Meat and Bone	Denton	6.15

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.06	16.00	16.58	3.00	3.59	15.00	13.60	7.21	48.96	A.
8.15	20.00	20.18	4.00	6.13	9.00	4.40	10.84	50.30	As declared on sack
11.15	9.00	9.65	2.50	2.48	5.00	2.07	1.64	73.01	" "
7.19	50.00	50.28	6.00	11.43	3.00	3.05	26.83	1.22	" "
10.66	15.00	15.18	4.00	4.04	6.00	4.45	3.75	61.92	" "
9.02	18.00	20.27	5.00	5.00	8.50	7.99	10.89	46.83	" "
10.70	15.00	17.72	4.00	3.79	6.50	4.98	5.06	57.75	" "
8.75	20.00	20.50	4.00	5.93	7.00	5.99	12.67	46.16	" "
9.03	14.00	14.48	4.00	4.98	5.00	3.49	6.08	61.94	" "
8.19	20.00	20.27	4.00	4.30	10.00	8.64	4.83	53.77	" "
8.38	20.00	19.39	5.00	5.21	10.00	8.26	10.12	48.64	B.
8.19	20.00	22.55	4.00	5.56	10.00	6.50	6.61	50.59	As declared on sack
8.71	20.00	21.50	5.00	5.12	14.00	11.65	10.90	42.12	" "
8.45	18.00	21.06	5.00	4.74	12.00	7.60	10.64	47.51	" "
7.46	43.00	44.40	6.00	7.61	6.00	5.14	8.35	27.04	" "
7.66	19.00	21.06	5.50	5.26	8.00	7.26	11.96	46.80	" "
8.23	18.00	19.74	4.00	5.54	7.00	6.10	8.60	51.79	" "
8.96	15.00	15.27	4.00	4.25	10.50	6.89	5.43	59.20	" "
10.02	16.00	17.20	4.00	4.94	6.00	4.65	4.12	59.07	" "
11.45	10.00	10.09	3.00	2.46	4.00	2.22	1.59	72.19	" "
5.50	55.00	55.37	6.00	9.10	2.00	2.09	27.83	.11	As declared on sack
6.22	55.00	51.72	6.00	10.16	2.00	2.15	29.88	.....	C.
6.39	55.00	54.41	6.00	10.75	2.00	2.01	24.76	1.68	As declared on sack
6.81	55.00	52.74	6.00	10.63	2.00	1.99	27.45	.38	" "
5.68	50.00	52.13	6.00	8.97	2.00	1.42	31.53	.27	" "
6.11	50.00	48.97	6.00	10.09	2.00	1.67	32.15	1.01	" "
6.02	45.00	46.07	6.00	8.91	2.00	1.72	37.03	.25	" "
6.15	45.00	43.26	6.00	11.17	2.00	1.88	39.06	.....	" "

A—Also detected Whole Weed Seed.
B—Fat guarantee and Ingredients on sack differ from license.
C—Should be designated as Meat and Bone Scrap.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
National Fruit Product Co., Inc., Washington, D. C.		
White House Dehydrated Apple Pulp	Medford	7.
White House Dehydrated Apple Pulp	Baltimore	7.
National Mineral Products Co., Inc., San Francisco, Calif.		
California "Alfaleaf" Leaf Meal	St. Michaels	6.
California "Alfaleaf" Leaf Meal	Baltimore	6.
California Fine Ground Alfalfa Meal	Baltimore	6.
New Richmond Roller Mills Co., New Richmond, Wis.		
Feeding Oat Meal	Baltimore	8.
O. A. Newton & Son, Bridgeville, Del.		
"Cedar View" Laying Mash	Hurlock	8.
"Cedar View" Special Growing Mash	Hurlock	10.
"Cedar View" All-Mash Chick Starter	Hurlock	8.
Northern Oats Co., Minneapolis, Minn.		
‡Go-Fer Brand Feeding Oat Meal	Baltimore	8.
Norton & Co , Washington, D. C.		
Bone and Meat Scrap	Hyattsville	6.
Bone and Meat Scrap	Derwood	6.
*Bone and Meat Scrap	Gaithersburg	6.
Bone and Meat Scrap	Sandy Springs	5.
Nowak Milling Corp., Hammond, Ind.		
Domino 32% Mixing Dairy Feed	Harmony Grove	9.
Domino 32% Mixing Dairy Feed	Sykesville	9.
†Cream-O-Lene Dairy Feed	Harmony Grove	9.
†Cream-O-Lene Dairy Feed	Sykesville	10.
*Domino Butterine Dairy Feed	Ellicott City	7.
Union Dairy Feed	Sykesville	10.
Domino Egg Pel-ets	Harmony Grove	8.
Domino Egg Pel-ets	Sykesville	7.
Domino Laying Mash	Ellicott City	6.
Marathon Laying Mash	Ellicott City	8.
Domino Growing Pel-ets	Harmony Grove	8.
Domino Vim-O-Lene Horse Feed	Ellicott City	7.
Domino All Mash Starter and Grower	Harmony Grove	9.
Domino Chick Pel-ets	Harmony Grove	7.
Domino Chick Pel-ets	Baltimore	7.
Domino Chick Pel-ets	Sykesville	7.
Fidelity Scratch Feed	Ellicott City	11.
Domino Rabbit Pel-ets	Harmony Grove	8.
Domino Rabbit Pel-ets	Baltimore	7.
Domino All-In-One Rab-ets	Harmony Grove	8.
Domino All-In-One Rab-ets	Baltimore	7.
Nu'tle Milling Co., Denton, Md.		
Ideal Laying Mash, with Cod Liver Oil	Preston	8.
Ideal Growing Mash, with BM. and Cod Liver Oil	Denton	8.
Ideal Hog Feed	Denton	8.

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.52	4.50	6.14	4.00	4.13	17.50	16.29	2.00	63.92	As declared on sack
7.14	4.50	5.09	4.00	3.61	17.50	14.38	2.04	67.74	" "
6.54	20.00	20.49	1.50	1.71	18.00	19.17	10.81	41.28	" "
6.32	20.00	19.92	1.50	2.30	18.00	19.16	11.07	41.23	" "
6.81	14.00	14.13	1.50	1.84	30.00	26.93	10.07	40.22	" "
8.80	15.00	17.55	5.00	6.45	3.75	2.93	3.36	60.91	" "
8.68	18.00	18.60	4.00	4.53	7.50	5.49	10.97	51.73	" "
10.34	15.00	16.67	3.50	4.31	6.00	4.38	8.13	56.17	" "
8.36	15.00	15.80	3.00	4.37	5.00	3.50	5.88	62.09	B.
8.68	14.00	15.97	5.00	4.65	3.75	3.80	4.04	62.86	As declared on sack
6.04	50.00	51.07	8.00	8.62	2.00	2.23	31.97	.07	" "
6.45	50.00	50.02	8.00	9.53	2.00	2.20	34.67	----------	" "
6.86	50.00	50.20	8.00	7.39	2.00	2.16	32.89	.50	" "
5.25	50.00	49.14	8.00	8.80	2.00	1.76	33.20	1.85	" "
9.50	32.00	31.61	4.50	4.36	10.00	8.56	9.00	36.97	" "
9.52	32.00	31.28	4.50	4.20	10.00	8.60	10.14	36.26	" "
9.22	24.00	22.58	4.50	3.73	12.00	9.43	14.06	40.98	" "
10.61	24.00	22.35	4.50	3.20	12.00	9.44	10.24	44.16	" "
7.57	17.00	16.60	4.00	2.81	12.00	9.97	15.63	47.42	" "
10.55	16.00	16.94	3.00	3.04	16.00	10.14	12.12	47.21	" "
8.69	20.00	20.09	4.50	6.12	7.50	6.76	10.06	48.28	" "
7.27	20.00	20.45	4.50	6.63	7.50	7.14	8.77	49.74	" "
6.97	20.00	20.80	4.50	5.20	8.00	6.57	13.03	47.43	" "
8.38	18.00	18.60	4.00	5.55	7.50	5.64	10.37	51.46	" "
8.04	15.00	16.67	4.50	5.49	5.50	4.80	8.10	56.90	" "
7.57	9.50	11.65	3.00	3.34	9.00	5.07	3.02	69.35	" "
9.37	18.00	17.64	4.50	4.82	5.00	4.37	13.46	50.34	" "
7.73	18.00	20.18	4.00	5.78	5.00	4.19	9.93	52.19	" "
7.94	18.00	19.13	4.00	6.50	5.00	4.73	8.60	53.10	" "
7.73	18.00	19.48	4.00	6.16	5.00	5.04	9.76	51.83	" "
11.15	10.00	11.58	2.00	2.56	4.00	3.36	1.66	69.69	" "
8.52	12.00	12.90	4.00	4.26	10.00	7.87	9.58	56.87	" "
7.81	12.00	12.81	4.00	4.75	10.00	7.73	8.97	57.93	" "
8.45	12.00	12.46	3.00	3.73	16.50	15.07	7.60	52.69	" "
7.17	12.00	12.55	3.00	3.98	16.50	14.73	6.96	54.61	" "
8.51	20.00	22.82	5.00	5.97	8.00	5.87	12.30	44.53	" "
8.65	15.00	16.67	4.00	6.02	6.00	3.80	9.45	55.41	" "
8.36	12.00	16.67	5.00	5.85	6.00	3.44	6.52	59.16	" "

B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Nuttle Milling Co., Denton, Md., (Cont.)	
Pure Wheat Bran	Denton
Pure Wheat Middlings	Denton
Ideal Chick Starter, with BM. and Cod Liver Oil	Denton
Ideal Scratch Feed	Denton
Ideal Turkey Mash, with Cod Liver Oil and BM.	Denton
Geo. F. Obrecht, Inc., Baltimore, Md.	
‡Obrecht's 20% Dairy Feed	Baltimore
‡Obrecht's Laying Mash	Baltimore
Obrecht's O-Lay Mash	Baltimore
‡Obrecht's Poultry Fatner	Baltimore
P. Fred'k. Obrecht & Son, Baltimore, Md.	
‡P. F. O. Laying Mash	Baltimore
‡P. F. O. Chick Grains	Baltimore
‡P. F. O. Scratch	Baltimore
Otterdale Milling Co., Taneytown, Md.	
Pure Wheat Bran	Taneytown
Pure Wheat Middlings	Taneytown
A. Overholt & Co., Inc., Broad Ford, Pa.	
Overco Feed (Dried Distillers Grains)	Hampstead
Owings Brothers, York, Pa.	
16% Dairy Feed	Baltimore
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
June Bug Special Scratch Feed	Baltimore
June Bug Special Scratch Feed	Baltimore
June Bug Turkey Growing Mash, with Cod Liver Oil	Jarrettsville
June Bug Turkey Starter, with Cod Liver Oil	Jarrettsville
Owings Mills Distillery, Inc., Owings Mills, Md.	
Owings' Mills Feed	Street
Pacific Bone Coal & Fertilizer Co., San Francisco, Calif.	
‡Digesta-Bone Flour	Ellicott City
Park & Pollard Co., Buffalo, N. Y.	
Manamar Dairy Mixing Ration	Walkersville
Manamar Doublex 20% Dairy Ration	Walkersville
Top Notch 16% Ration	Walkersville
Manamar Fitting Ration	Walkersville
‡Go-Tu-It Pig and Hog Ration	Mt. Airy
Manamar Complete Life Cycle Mash	Walkersville
Intermediate Chick Feed	Walkersville
‡Park & Pollard Economy Scratch	Princess Anne
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill
Payne's Growing Mash	Snow Hill
Payne's Starting Mash	Snow Hill

‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.66	12.00	13.42	3.00	4.00	7.00	8.04	3.43	61.45	As declared on sack
10.53	12.00	13.12	2.00	3.32	4.00	2.65	2.28	68.10	" "
8.95	15.00	16.15	4.50	5.31	5.00	3.79	7.70	58.10	" "
10.31	9.00	9.48	2.50	3.17	4.00	3.90	1.80	71.34	" "
8.93	18.00	18.95	4.50	6.95	8.00	6.52	10.42	48.23	" "
8.35	20.00	21.24	4.50	4.40	12.00	10.58	7.96	47.47	" "
10.13	20.00	20.18	4.00	5.61	7.00	6.23	10.66	47.19	A.
7.49	18.00	18.87	3.00	5.81	9.00	7.70	9.53	50.60	As declared on sack
9.60	13.00	14.92	4.50	3.42	6.00	4.26	5.80	62.00	B.
8.51	20.00	21.32	4.00	5.68	8.00	5.92	9.22	49.35	As declared on sack
10.00	9.00	11.76	2.00	4.46	4.00	2.71	2.21	68.86	C.
10.57	9.00	10.09	2.00	2.38	4.00	2.85	2.05	72.07	D.
9.28	16.00	15.62	3.50	3.36	9.50	9.31	7.34	55.09	As declared on sack
10.50	15.00	16.94	2.50	5.65	3.00	2.32	2.84	61.75	" "
6.12	15.00	15.80	4.00	5.03	18.00	19.39	5.15	48.51	" "
11.09	16.00	16.86	3.00	3.01	12.00	13.71	8.82	46.51	As declared on sack
8.45	20.00	20.88	4.00	6.40	9.00	7.85	15.01	41.41	E.
9.91	9.00	10.27	2.50	2.15	4.00	3.39	2.25	72.03	As declared on sack
11.10	9.00	10.09	2.50	2.31	4.00	2.83	1.80	71.87	" "
8.50	16.00	19.80	3.00	6.59	5.00	4.32	7.65	53.14	" "
9.07	21.00	23.17	3.00	7.37	4.00	2.66	10.76	46.97	" "
5.07	16.00	15.53	5.00	4.75	20.00	16.70	2.61	55.34	F.
4.69	5.00	4.74	0.00	0.00	2.00	1.96	89.70	.....	" "
9.00	26.00	25.37	4.00	4.91	9.00	8.52	11.37	40.83	" "
10.36	20.00	20.55	4.00	4.12	10.00	7.40	10.46	47.11	" "
10.88	16.00	15.95	3.50	4.13	11.00	8.91	9.30	50.83	" "
11.80	12.00	14.51	3.50	4.82	7.00	7.33	8.17	53.37	G.
8.69	15.00	15.53	3.50	5.35	8.00	7.94	10.55	51.94	As declared on sack
7.49	16.00	17.90	3.50	4.43	6.00	8.10	11.97	50.11	" "
10.41	10.00	12.72	3.00	2.98	3.50	2.09	2.21	69.59	I.
11.65	10.00	12.11	1.50	2.56	5.00	2.73	1.86	69.09	As declared on sack
7.74	19.00	23.17	4.50	6.91	7.00	6.10	9.10	46.98	E.
7.74	16.00	19.66	4.00	5.76	7.00	6.81	9.52	50.51	E.
7.97	15.00	20.97	4.00	7.88	6.00	5.21	10.74	47.23	E.

A—Fibre guarantee and Ingredients on sack differ from license.
B—Also detected a Cereal Product.
C—Unable to detect Steel Cut Oats.
D—Unable to detect Milo Maize, Kaffir Corn, Buckwheat and Sunflower Seed.
E—Ingredients on sack differ from license.
F—Protein Fat and Fibre guarantee on sack differs from license.
G—Also detected Corn Gluten Meal.
I—Also detected Millet—unable to detect Buckwheat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.		
Alfalfa Meal	Hampstead	7.7
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa		
Douglas Corn Gluten Meal	Baltimore	10.9
Douglas Corn Gluten Feed	Frederick	11.0
Douglas Corn Gluten Feed	Baltimore	11.1
‡20% Protein Sweetened Douglas Corn Gluten Feed, 20% Cane Molasses	Ellicott City	9.3
Penn Grains & Feed Co., Philadelphia, Pa.		
Peerless Brewers' Dried Grains	Rising Sun	6.1
Pillsbury Flour Mills Co., Minneapolis, Minn.		
Pillsbury's Hard Wheat A. Middlings and Screenings	Elkton	9.8
Pittsburgh Melting Co., Pittsburgh, Pa.		
Steel City Meat and Bone Scrap	Mt. Lake Park	5.3
Planters Edible Oil Co., Suffolk, Va.		
Planters' "41%" Peanut Meal	Bel Air	5.3
Potomac Mills, Hancock, Md.		
†Pure Wheat Middlings	Hancock	12.6
Pratt Food Co., Hammond, Ind.		
Pratts Sweet 32% Dairy Feed	Chestertown	8.7
Pratts 24% Dairy Feed	Kennedysville	6.9
Pratts B-P Dairy Feed	Centreville	10.2
Pratts Sweet 16% Dairy Feed	Berwyn	9.4
Pratts Laying Mash, with BM	Frederick	7.8
Pratts Cak-Cak Egg Mash, with BM., Fish, Meat, Etc.	Chestertown	8.1
Pratts Growing Mash, with BM.	Frederick	7.9
Pratts Horse Feed	Centreville	11.9
Pratts Utility Horse	St. Michaels	10.4
Pratts Yellow Hominy Feed	Westminster	9.9
Pratts Baby Chick Food, with BM.	Baltimore	8.4
Pratts Baby Chick Food, with BM.	Centreville	8.3
Pratts Chick Scratch Feed	Baltimore	11.0
Pratts Circle A. Chick Scratch Feed	St. Michaels	10.5
Pratts Intermediate Scratch Feed	Baltimore	10.7
Pratts Utility Scratch Feed	Baltimore	10.3
Pratts Utility Scratch Feed	St. Michaels	10.4
Pratts Wheat and Corn Scratch Feed	Berwyn	10.9
‡Pratts Pigeon Feed No Corn	Baltimore	10.9
Pratts Turkey Starter, with BM.	Sudlersville	9.3
Pratts Complete Rabbit Pellets	Baltimore	7.4
Pratts Rabbit Feed, with BM.	Baltimore	6.3
Princess Anne Milling Co., Princess Anne, Md.		
Pure Wheat Bran	Princess Anne	7.7
Pure Wheat Middlings	Princess Anne	10.8

† Deficient in both Protein and Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
7.70	13.00	13.25	1.50	3.56	33.00	31.99	8.36	35.14	As declared on sack	
10.97	43.00	43.97	1.00	1.71	4.00	3.91	2.94	36.50	"	"
11.09	25.00	26.06	1.50	2.27	8.50	7.73	6.60	46.25	"	"
11.13	25.00	25.89	1.50	1.87	8.50	7.65	6.83	46.63	"	"
9.38	20.00	21.73	1.00	1.48	7.00	6.55	6.50	54.36	"	"
6.10	26.00	29.13	6.00	6.42	18.00	14.26	2.66	41.43	"	"
9.84	16.00	18.87	4.00	4.73	6.00	4.27	3.95	58.34	"	"
5.38	50.00	49.05	5.00	11.89	3.00	1.58	31.10	1.00	"	"
5.33	41.00	40.89	6.00	8.36	10.00	5.99	6.27	33.16	"	"
12.67	14.00	12.46	3.50	1.57	6.00	1.58	1.36	70.36	"	"
8.78	32.00	33.61	4.50	4.12	9.00	6.72	8.84	37.93	"	"
6.94	24.00	26.85	4.00	4.92	9.00	8.36	8.22	44.71	"	"
10.27	21.00	23.39	4.00	3.92	10.00	7.35	8.41	46.66	"	"
9.40	16.00	17.78	4.00	4.01	12.00	10.07	6.92	51.82	"	"
7.85	20.00	20.88	4.50	4.27	6.75	5.84	10.58	50.58	"	"
8.13	18.00	19.31	4.00	5.27	8.00	7.44	8.22	51.63	"	"
7.93	17.50	18.69	4.50	4.80	6.00	6.23	11.76	50.59	"	"
11.95	9.00	12.24	2.00	4.38	10.00	6.63	3.87	60.93	"	"
10.47	7.50	8.49	2.00	2.90	11.00	10.45	4.74	62.95	"	"
9.96	10.00	11.58	5.00	5.85	6.00	5.06	3.71	63.84	"	"
8.43	16.00	16.85	3.50	4.19	4.00	3.46	10.96	56.11	"	"
8.33	16.00	17.02	3.50	4.42	4.00	3.99	8.91	57.33	"	"
11.01	10.00	11.41	2.00	3.08	4.00	1.57	1.19	71.74	"	"
10.55	10.00	11.93	2.00	2.45	4.00	1.62	1.50	71.95	"	"
10.76	10.00	10.97	2.00	3.10	4.00	2.24	1.34	71.59	"	"
10.38	10.00	11.85	2.00	3.65	4.00	2.35	1.54	70.23	"	"
10.40	10.00	9.65	2.00	2.77	4.00	2.07	1.70	73.41	"	"
10.93	10.00	11.58	2.00	2.87	4.00	2.31	1.76	70.55	"	"
10.91	12.00	12.81	2.00	3.20	4.00	3.90	2.56	66.62	"	"
9.30	25.00	26.68	4.50	4.34	6.00	5.43	14.95	39.30	"	"
7.44	14.00	14.74	2.00	3.07	20.00	20.10	8.23	46.42	"	"
6.36	14.00	15.09	3.00	4.25	10.00	7.09	6.67	60.54	"	"
7.78	14.00	14.13	3.50	3.69	9.00	10.73	7.60	56.07	"	"
10.82	13.00	14.04	3.50	3.27	10.00	4.76	3.82	63.29	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Procter & Gamble Distributing Co., Cincinnati, Ohio	
P. & G. Cocoanut Oil Meal	Ellicott City
Prospect Mills, Bel Air, Md.	
‡20% Dairy Feed	Bel Air
‡Laying Mash	Bel Air
Quaker Oats Co., Chicago, Ill.	
Quaker 24% Protein Dairy Ration	Owings Mills
Quaker 20% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Ration	Owings Mills
Quaker Ful-O-Pep Egg Mash	Owings Mills
Quaker Ful-O-Pep Egg Mash	Baltimore
Quaker Ful-O-Pep Growing Mash	Baltimore
Quaker Ful-O-Pep Station Grade Fattening Feed	Baltimore
Quaker Ful-O-Pep Chick Starter	Owings Mills
Quaker Ful-O-Pep Coarse Chick Feed	Baltimore
Quaker Ful-O-Pep Coarse Chick Feed	Baltimore
Quaker Ful-O-Pep Fine Chick Feed	Baltimore
Quaker Ful-O-Pep Chick Starter	Baltimore
Quaker Ful-O-Pep Scratch Grains	Baltimore
Quaker Ful-O-Pep Turkey Starter	Annapolis
Queen Anne Roller Mill, Queen Anne, Md.	
*Queen Anne Poultry Mash	Queen Anne
Pure Wheat Bran	Queen Anne
Pure Wheat Middlings	Queen Anne
Ralston Purina Co., St. Louis, Mo.	
Purina Red Checker Cow Chow (34%)	Baltimore
Purina Green Checker Cow Chow (24%)	Frederick
Purina Green Checker Cow Chow (24%)	Baltimore
Purina Bulky Cow Chow	Towson
Purina Bulky Omolene	Towson
Purina Egg Chowder	Baltimore
Purina Layena (Complete Ration)	Frederick
Purina Layena (Complete Ration)	Baltimore
Purina Lay Chow	Mt. Airy
Purina Lay Chow	Baltimore
Purina Growing Chow	Towson
Purina Broiler Chow	Baltimore
Purina Hen Chow	Baltimore
‡Purina Omolene	Towson
Purina Calf Starting Chow	Woodbine
Purina Heifer Growing Chow	Towson
Purina Pig and Hog Chow	Taneytown
Purina Chick Growena	Baltimore
Purina Chick Startena	Baltimore
Purina Turkey Growing and Fattening Chow	Baltimore
Purina Turkey Startena	Riderwood
Purina Rabbit Chow (Complete Ration)	Baltimore
Red Lion Milling Co., Red Lion, Pa.	
‡Pure Winter Flour Middlings	Westminster

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

SAMPLED FROM	Moisture	PROTEIN		FAT		FIBRE		Ash	Nitrogen Free Extract	INGREDIENTS
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
5.96	20.00	21.76	5.00	7.12	11.00	11.95	6.10	47.11		As declared on sack
10.22	20.00	21.82	4.00	4.37	8.60	8.44	8.75	46.40		" "
8.90	20.00	20.01	4.50	5.16	7.00	6.75	7.94	51.24		" "
8.67	24.00	24.06	4.00	3.85	12.00	11.33	8.37	43.72		" "
8.01	20.00	21.78	3.00	4.53	12.00	11.16	8.16	46.36		" "
8.64	16.00	17.19	3.50	3.60	13.50	12.64	7.39	50.54		" "
8.23	20.00	21.07	4.50	6.51	8.00	6.97	9.25	47.97		" "
8.00	20.00	20.41	4.50	5.83	8.00	6.42	7.95	51.39		" "
7.35	19.00	19.81	5.00	6.00	6.00	5.42	8.13	53.29		" "
9.15	12.00	14.57	4.50	5.00	5.50	4.73	3.94	62.61		" "
8.65	17.00	17.56	5.00	5.73	7.00	5.76	5.10	57.20		" "
9.02	10.00	11.41	2.00	2.78	2.50	2.66	1.86	72.27		" "
9.09	10.00	11.23	2.00	3.01	2.50	2.54	1.84	72.29		" "
11.08	11.00	10.71	2.50	3.14	2.00	1.55	2.61	70.91		" "
8.01	17.00	17.99	5.00	6.27	7.00	5.52	5.57	56.64		" "
10.66	9.00	11.06	2.00	3.40	3.00	3.27	2.16	69.45		" "
10.04	26.00	27.64	5.00	5.76	7.00	5.20	10.34	41.02		" "
8.46	19.00	15.50	5.00	4.98	7.00	6.80	6.60	57.66		" "
7.81	14.00	13.34	3.00	3.28	9.00	8.67	6.74	60.16		" "
11.11	13.00	13.60	3.00	3.66	6.00	5.86	3.14	62.63		" "
9.43	34.00	35.52	3.00	4.25	12.00	9.39	6.64	34.77		" "
9.77	24.00	24.86	3.00	3.85	12.00	8.91	6.79	45.82		" "
10.22	24.00	24.35	3.00	3.94	12.00	9.55	7.06	44.88	A.	
10.34	16.00	18.32	3.50	3.42	12.00	8.60	6.57	52.75		" "
9.80	10.00	12.96	3.20	4.04	11.00	8.58	4.26	60.36		" "
9.81	19.00	20.62	3.50	4.87	8.00	6.83	9.98	47.89		" "
9.54	15.50	17.20	3.50	4.60	8.00	4.78	11.00	52.88		" "
11.12	15.50	17.20	3.50	4.96	8.00	4.98	8.60	53.14		" "
10.53	19.00	20.32	3.50	3.88	8.00	5.99	12.33	46.95		" "
9.07	19.00	19.87	3.50	5.36	8.00	6.07	11.76	47.87		" "
9.20	17.00	19.66	3.50	4.77	7.00	6.11	10.84	49.42		" "
10.06	18.00	20.62	4.00	4.50	7.00	5.54	9.20	50.08		" "
11.49	10.00	10.27	2.50	3.27	4.00	3.21	1.40	70.36		" "
10.76	10.00	10.04	3.20	3.52	9.00	7.85	5.05	62.78		" "
8.88	27.00	29.92	3.20	3.96	5.00	4.06	5.15	48.03		" "
10.45	14.00	16.93	2.50	3.33	14.00	8.85	6.61	53.83		" "
9.41	36.00	38.17	3.00	5.17	14.00	8.91	11.56	26.78		" "
11.01	15.00	17.11	3.50	4.92	7.00	6.23	6.66	54.07		" "
10.66	18.00	21.15	4.00	4.91	7.00	4.91	7.44	50.93		" "
9.10	21.00	22.67	3.50	5.39	8.00	5.06	7.46	50.32		" "
9.03	26.00	26.59	4.50	6.23	6.00	4.73	8.28	45.14		" "
9.74	13.50	16.14	2.50	3.22	16.00	10.18	6.21	54.51		" "
9.37	15.00	16.15	5.00	5.89	7.00	3.98	3.02	61.59		" "

A—Also detected Ground Corn.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat Scrap	Taneytown
Reindollar Co., Taneytown, Md.	
20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytown
Egg Mash	Taneytown
Pure Winter Wheat Bran	Taneytown
*Winter Wheat Middlings, with M. R. of Screen	Taneytown
*Pig and Hog Meal	Taneytown
Starting Mash	Taneytown
Scratch Grains	Taneytown
Richards Milling Co., Cortland, Ohio	
Richards' 16% Dairy Feed	Cumberland
Richards' Cash Laying Mash, with BM. and Cod Liver Oil	Cumberland
Soft Winter Pure Wheat Bran	Cumberland
Fancy Winter Wheat Middlings	Cumberland
Richards' Thrift Starting Mash	Cumberland
Richards' Special Chop	Cumberland
Richard's Baby Chick Feed	Cumberland
Richardson Brothers, Westminster, Md.	
Richbro Walck Laying Mash	Westminster
‡Richbro Growing Mash	Westminster
Richbro Pig and Hog Meal	Westminster
‡Richbro Baby Chick Starter	Westminster
Riddleberger & Sons, Greensboro, Md.	
Riddleberger's Poultry Mash	Greensboro
Pure Wheat Bran	Greensboro
Pure Wheat Middlings	Greensboro
Daniel Rider, Baltimore, Md.	
‡Winner 20% Dairy Feed	Baltimore
‡Winner 16% Dairy Feed	Baltimore
‡Eager Horse Feed	Baltimore
‡Winner Horse Feed	Baltimore
Rinaman & Brown, Hampstead, Md.	
Brown's Egg Mash	Hampstead
Robin Hood Mills Limited, Moose Jaw, Canada	
Superior Wheat Bran	Bel Air
‡Superior Wheat Red Dog	Baltimore
Robinson Brothers, Cardiff, Md.	
Robinson's 32% Dairy Ration	Darlington
Robinson's 32% Dairy Ration	Cardiff
Robinson's 24% Dairy Ration	Darlington
*Robinson's 20% Dairy Ration	Darlington
Robinson's 20% Dairy Ration	Cardiff
*Robinson's Laying Mash	Darlington
Robinson's Laying Mash	Cardiff

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.47	50.00	55.64	10.00	10.59	2.25	1.88	25.90	.....	As declared on sack
7.36	20.00	23.08	4.00	4.13	12.50	10.26	7.31	47.86	" "
9.51	16.00	17.30	3.00	3.11	11.00	14.22	8.33	47.53	" "
8.61	20.00	21.15	4.00	4.73	8.00	5.80	12.85	46.86	" "
8.29	14.00	15.53	4.00	4.40	9.00	9.05	6.98	55.75	" "
9.09	16.00	15.53	4.50	3.30	5.00	4.47	2.69	64.92	" "
8.58	16.50	17.11	4.50	3.80	7.00	6.37	10.85	53.29	" "
8.17	16.00	16.94	4.50	5.28	6.00	4.78	8.74	56.09	" "
10.57	9.00	9.92	2.00	2.65	5.00	2.17	1.30	73.39	" "
9.08	16.00	18.14	4.00	3.74	12.00	7.87	7.19	53.98	" "
8.44	20.00	21.59	3.00	6.33	6.90	7.51	11.00	45.13	A.
9.18	15.00	16.76	3.50	4.28	10.00	9.60	5.58	54.60	As declared on sack
9.96	15.00	16.76	3.00	3.67	10.00	3.50	3.20	62.91	" "
9.21	18.00	19.31	3.00	5.52	6.90	5.01	9.04	51.91	A.
8.11	8.00	9.92	3.00	3.80	12.00	10.19	6.52	61.46	As declared on sack
11.10	9.00	12.29	2.50	4.32	6.00	2.63	2.37	67.29	" "
8.76	20.00	20.80	5.00	4.92	9.00	6.98	10.17	48.37	" "
9.19	16.00	16.67	4.50	4.80	4.50	4.04	5.92	59.38	" "
9.77	15.00	17.11	5.00	5.22	7.00	6.17	6.33	55.39	A.
9.01	12.50	14.65	4.00	4.29	3.25	3.01	6.60	62.44	A.
9.23	17.00	17.11	4.00	4.64	8.00	6.63	5.96	56.43	As declared on sack
7.94	14.00	13.51	4.00	3.81	10.00	10.73	7.10	56.91	" "
10.97	14.00	14.92	4.00	4.98	6.00	4.76	3.80	60.57	" "
10.55	20.00	21.26	4.00	4.16	11.00	10.31	5.87	47.85	A.
10.81	16.00	16.13	3.00	3.31	11.00	12.63	7.56	49.56	A.
9.91	7.00	9.13	2.00	3.25	12.00	8.30	3.85	65.56	As declared on sack
9.57	9.00	10.91	2.00	3.33	9.00	6.51	4.06	65.62	" "
8.21	20.00	20.71	4.50	4.54	8.00	6.62	8.90	51.02	" "
8.62	15.00	18.25	3.50	4.94	11.50	10.32	6.16	51.71	" "
11.04	16.50	18.78	3.50	4.17	4.00	3.43	2.97	59.61	" "
8.72	32.00	31.78	5.00	5.55	9.50	9.51	7.35	37.09	" "
10.95	32.00	31.26	5.00	5.15	9.50	8.95	7.48	36.21	" "
8.30	24.00	25.40	5.00	4.97	10.00	11.04	8.55	41.74	" "
11.82	20.00	20.20	4.50	3.80	10.00	10.78	7.15	46.25	" "
9.14	20.00	21.15	4.50	4.50	10.00	10.48	7.23	47.50	" "
11.38	20.00	21.32	4.75	4.18	10.00	7.11	11.70	44.31	" "
8.78	20.00	21.06	4.75	4.74	10.00	6.53	11.90	46.99	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Robinson & Jackson, Baltimore, Md.	
Rob-Jack Brand Corn and Rye Distillers Grains	Rising Sun
*Rob-Jack Brand Rye Distillers Grains	Centreville
Rob-Jack Brand Rye Distillers Grains	Darlington
C. E. Routzahn & Co., Breathedsville, Md.	
Dairy Feed	Breathedsville
Laying Mash	Breathedsville
*Hog Feed	Breathedsville
Pure Wheat Bran	Breathedsville
Pure Wheat Middlings	Breathedsville
Rowlandville Flour Mills, Rowlandville, Md.	
Pure Wheat Bran	Rowlandville
Wheat Grey Shorts (Pure)	Rowlandville
Russell-Miller Milling Co., Minneapolis, Minn.	
Hard Wheat Occident Standard Middlings	Baltimore
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Quillin's Growing Mash, with BM. and Cod Liver Oil	St. Michaels
Pure Wheat Bran	St. Michaels
Wheat Flour Middlings (Pure)	St. Michaels
Quillin's Turkey Growing Mash	St. Michaels
‡Quillin's Turkey Starter, with 2% Cod Liver Oil and Dried Milk	St. Micheals
Wm. G. Scarlett & Co., Baltimore, Md.	
Oriole Brand AAA. Pigeon Feed	Baltimore
Oriole Brand AAA. Pigeon Feed	Hyattsville
Oriole Brand AA. Pigeon Feed	Baltimore
*Oriole Brand Special Pigeon Feed	Baltimore
Oriole Brand Special Pigeon Feed	Baltimore
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat and Bone Scrap	Keymar
Esskay Quality Meat and Bone Scrap	Thurmont
Esskay Quality Meat and Bone Scrap	Taneytown
*Esskay Quality Digester Tankage	Linwood
Esskay Quality Soluble Blood	Frederick
Seaboard Western Grain Corp., New York, N. Y.	
Wheat Fancy Middlings M. R. S.	Baltimore
‡Wheat Standard Middlings M. R. S.	Baltimore
Charles H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Raspeburg
Golden Glow Growing Mash	Raspeburg
Seward's Superior Scratch Grains	Raspeburg

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
5.00	24.00	24 92	7.00	6.84	16.00	14.19	3.55	45.50	As declared on sack
5.27	16.00	14.92	5.00	5.65	20.00	16.80	1.61	55.75	" "
6.31	16.00	21.67	5.00	5.47	20.00	13.66	2.18	50.71	" "
8.43	16.00	16.85	4.00	4.38	7.50	7.65	4.93	57.76	A.
8.40	16.00	16.76	4.00	4.73	7.00	6.96	10.56	52.59	As declared on sack
9.88	16.00	17.81	4.00	3.32	7.50	4.26	5.66	59.07	B.
8.28	15.00	15.62	4.00	3.80	8.00	9.08	6.11	57.11	As declared on sack
11.60	15.00	15.27	3.00	3.58	3.00	2.19	3.27	64.09	" "
8.83	14.00	14.57	4.00	4.08	9.00	8.68	7.14	56.70	" "
10.31	15.00	16.50	4.50	4.93	6.00	5.01	5.23	58.02	" "
11.05	15.00	18.69	4.00	5.42	9.50	7.79	4.32	52.73	" "
7.68	20.00	21.50	5.00	5.94	7.00	6.65	11.75	46.48	" "
8.12	16.00	18.60	4.00	5.29	6.00	6.23	9.96	51.80	" "
7.87	14.00	14.57	4.00	4.19	11.00	11.96	7.26	54.15	" "
10.11	14.00	15.80	4.00	4.63	6.00	4.94	4.25	60.27	" "
9.35	21.00	21.94	4.50	6.05	7.00	5.60	12.90	44.16	" "
8.48	22.00	21.94	4.50	6.69	6.00	4.24	12.19	46.46	" "
10.06	16.00	17.55	3.00	5.37	4.00	6.77	3.13	57.12	C.
10.08	16.00	17.11	3.00	3.43	4.00	5.24	2.21	61.93	As declared on sack
9.49	13.00	13.51	3.50	5.21	4.00	4.79	1.65	65.35	" "
10.15	16.00	14.92	3.00	5.91	4.00	6.11	2.82	60.09	" "
9.36	16.00	16.23	3.00	3.19	4.00	5.04	2.60	63.58	D.
5.47	55.00	56.51	6.00	9.85	5.00	2.35	28.96	.....	As declared on sack
5.87	50.00	51.34	6.00	9.75	5.00	2.06	30.80	.18	" "
5.00	45.00	45.81	6.00	14.42	5.00	2.48	35.43	.....	" "
5.05	60.00	61.95	8.00	6.08	5.00	1.69	22.73	2.50	" "
7.56	83.00	86.00	.50	.89	5.00	.95	4.44	.16	" "
9.48	17.25	18.43	4.30	4.30	5.25	4.15	4.70	58.94	" "
8.64	14.00	17.11	4.00	5.33	9.50	8.09	5.43	55.40	" "
9.24	20.00	20.18	5.00	4.74	7.00	5.46	11.84	48.54	" "
9.03	16.00	17 90	5.00	4.75	7.00	6.33	9.80	52.19	" "
10.94	10.00	10.00	2.50	3.49	5.00	2.81	1.36	71.40	" "

A—Fat and Fibre guarantee and Ingredients on sack differ from license.
B—Protein and Fibre guarantee and Ingredients on sack differ from license.
C—Also detected Wheat and Milo Maize—unable to detect Hulled Oats.
D—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Shenandoah Milling Co., Inc., Shenandoah, Va.	
Blue Bird Feed	Frederick
Winter Wheat Bran	Hagerstown
Sherwood Roller Mill, Sandy Springs, Md.	
*Pure Wheat Bran	Sandy Springs
*Pure Wheat Middlings	Sandy Springs
B. F. Sheesley & Son, Harrisburg, Pa.	
‡Sheesley's Pure Col-Seed Oil Meal	Parkton
Sheesley's Champion Live Stock Feed	Lineboro
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.	
*Shoemaker's "Swift Sure" 55% Ground Beef Scrap for Poultry	Pocomoke City
Shoemaker's "Swift Sure" 55% Ground Beef Scrap for Poultry	Pocomoke City
*Shoemaker's "Swift Sure" 50% Ground Meat and Bone Scrap for Poultry	Pocomoke City
Shoemaker's "Swift Sure" 45% Ground Meat and Bone Scrap for Poultry	Pocomoke City
Shoemaker's "Swift Sure" Pure Ground Fish Meal	Pocomoke City
Shoemaker's "Swift Sure" Special Prepared Feeding Bone Meal	Pocomoke City
W. G. Slugg, Milwaukee, Wis.	
‡Slugg's Pure Dried Buttermilk	Baltimore
D. P. Smelser & Son, New Windsor, Md.	
Winter Wheat Bran	New Windsor
*Winter Wheat Middlings	New Windsor
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash	Doubs
*Pure Wheat Middlings	Doubs
Southern States Cooperative Mills, Inc., Baltimore, Md.	
*32% Supplemental Dairy Feed	Easton
*Milk Maker	Denton
20% Dairy	Bel Air
Exchange Dairy	Easton
18% Dairy	Bel Air
Laying Mash, with Alfalfa Meal	Westminster
Laying Mash, with Alfalfa Meal	Denton
Market Laying Mash	Easton
Super Laying Mash	Denton
Super Laying and Breeding Mash	Westminster
Growing Mash	Bel Air
Growing Mash	Brunswick
‡Eastern Shore Broiler Mash	Pocomoke City
Emergency Horse Feed	Denton
Starting and Growing Mash	Westminster
All Mash Starter	Bel Air

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.27	16.50	18.87	4.00	5.44	8.00	5.41	4.93	56.08	As declared on sack
10.09	16.00	17.72	4.00	4.31	8.00	8.31	6.10	53.47	" "
8.68	13.00	10.57	3.00	3.36	9.00	9.21	6.03	62.15	" "
11.61	13.00	12.64	3.00	2.24	6.00	2.06	1.71	69.74	" "
7.31	34.00	33.43	8.00	11.95	10.00	9.34	7.30	30.67	" "
7.69	16.00	17.02	10.00	9.91	12.00	13.22	8.27	43.89	" "
5.59	55.00	53.88	6.00	9.48	3.00	1.88	28.82	.35	A.
5.84	55.00	55.11	6.00	10.04	3.00	2.42	29.76	.....	As declared on sack
5.73	50.00	48.97	6.00	11.55	3.00	2.07	31.47	.21	" "
5.00	45.00	46.07	6.00	12.64	3.00	3.01	31.01	2.27	" "
6.83	55.00	59.16	8.00	7.80	3.00	.38	21.00	4.83	" "
8.78	6.00	6.41	1.00	1.00	2.00	.25	88.15	.....	" "
.....	30.00	30.27	5.00	x5.63	.....	.....	8.28	.....	" "
7.88	15.41	15.53	4.30	3.89	9.08	9.72	6.97	56.01	" "
10.50	15.40	13.86	3.45	3.11	3.78	1.98	1.96	68.59	" "
8.99	16.50	15.88	4.50	4.54	7.00	6.95	7.92	55.72	" "
11.59	13.00	11.93	3.00	2.59	5.00	1.71	2.09	70.09	" "
10.15	32.00	32.23	4.00	3.41	8.50	6.36	7.80	40.05	As declared on sack
11.11	24.00	24.02	4.00	3.17	8.50	7.26	6.93	47.51	A.
10.39	20.00	22.51	3.00	3.96	12.00	7.98	7.42	47.74	As declared on sack
10.71	20.00	20.77	4.00	3.73	8.50	7.11	7.28	50.40	" "
10.04	18.00	19.77	3.00	3.91	12.00	10.84	7.88	47.56	" "
7.89	20.00	21.41	4.00	4.95	7.00	6.02	9.06	50.67	" "
8.26	20.00	20.53	4.00	5.33	7.00	6.09	10.93	48.86	" "
8.01	19.00	20.27	4.00	4.83	7.50	5.93	9.30	51.66	" "
8.24	19.50	19.48	4.00	4.49	7.00	5.17	10.16	52.46	" "
8.79	19.50	19.48	4.00	4.55	7.00	6.10	11.04	50.04	" "
9.38	17.50	17.81	4.00	4.08	6.50	4.64	7.16	56.94	" "
8.84	17.50	18.78	4.00	4.40	6.50	4.89	9.10	53.99	" "
8.84	17.50	17.72	4.00	4.43	6.00	4.91	8.94	55.16	" "
10.91	9.00	10.41	2.00	3.15	12.00	9.98	5.97	59.58	" "
8.28	17.50	18.60	4.00	3.99	6.00	5.36	8.50	55.27	" "
9.10	17.50	19.48	4.00	4.53	6.00	4.26	9.82	52.81	" "

A—Should be designated as Meat and Bone Scrap.
B—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Southern States Cooperative Mills, Inc., Baltimore, Md., (Cont.)	
‡*Rye Distillers Dried Grains and Molasses Feed	Bel Air
Corn Feed Meal	Aberdeen
Turkey Growing Mash	Westminster
Turkey Starting Mash	Pocomoke City
Southwestern Milling Division of Standard Milling Co., Kansas City, Mo.	
Red Turkey Pure Wheat Bran	Lewistown
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	
Kellogg's 34% Protein O. P. Linseed Meal	Germantown
Kellogg's 32% Protein O. P. Linseed Meal	Frederick
Springfield Roller Mills, Sykesville, Md.	
Hering's Laying Mash	Sykesville
Hering's Growing Mash	Sykesville
Pure Wheat Bran	Sykesville
Pure Wheat Middlings	Sykesville
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Corn Gluten Feed	Derwood
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville
Corn and Oats Chop	Grantsville
*Corn Chop	Grantsville
Stanton's Scratch Grains	Grantsville
Star Food & Remedy Co., Inc., Alexandria, Va.	
Star Golden Glow Dairy Ration	Beltsville
Star Scratch Feed	Beltsville
E. Steen & Brother, Baltimore, Md.	
Milk Producer Dairy Feed	Baltimore
‡Milk Producer Dairy Feed	Bel Air
Little Boy Blue Dairy Feed	Baltimore
Little Boy Blue Dairy Feed	Annapolis
Golden Goose Laying Mash, with BM.	Baltimore
Golden Goose Laying Mash, with BM.	Clinton
Golden Goose Fancy Growing Mash, with BM.	Baltimore
‡*Golden Goose Fancy Growing Mash, with BM.	Clinton
‡Sugar Boy Green Molasses Horse Feed	Annapolis
‡Sweetened Grain Blowings	Bel Air
‡Golden Goose All Mash, with BM., Cod Liver Oil and Minerals	Havre de Grace
Golden Goose Scratch Feed	Annapolis
Golden Goose Scratch Feed	Baltimore
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
*Su-Pur Sweet 32% Mixing Ration	Rising Sun
*Su-Pur Sweet 32% Mixing Ration	Baltimore
‡*Su-Pur Sweet 32% Mixing Ration	White Hall
‡Magnolia Sweet 24% Dairy Feed	Manchester

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
11.34	15.00	15.16	5.00	4.33	24.00	13.86	3.85	51.46	As declared on sack
11.38	9.00	10.09	3.00	3.24	3.00	2.35	1.84	71.10	" "
8.49	19.00	19.74	4.00	4.41	7.00	5.59	9.90	51.87	" "
7.12	24.00	24.22	4.00	5.61	6.00	5.07	11.39	46.59	" "
9.39	15.00	18.08	3.50	4.17	10.00	9.32	8.45	50.59	" "
10.51	34.00	33.52	4.50	4.93	9.00	7.94	6.11	36.99	" "
8.51	32.00	32.73	4.50	6.00	9.00	8.17	6.28	38.31	" "
7.74	20.00	21.41	4.50	5.83	8.00	6.61	11.60	46.81	A.
8.38	18.00	17.99	4.50	4.99	6.00	5.00	10.12	53.52	B.
8.86	14.00	14.65	3.00	3.57	9.00	8.09	5.92	58.91	As declared on sack
11.50	12.00	12.64	3.00	2.55	4.00	1.80	1.84	69.67	" "
8.52	25.00	27.91	1.00	1.89	8.00	7.03	8.08	46.57	" "
9.05	20.00	19.95	4.00	5.80	8.00	5.71	10.32	49.17	" "
9.44	10.00	12.29	3.00	3.05	8.00	5.94	1.76	67.52	" "
11.26	9.00	9.21	4.00	2.68	3.00	2.23	1.77	72.85	" "
10.83	10.00	11.23	2.50	2.47	5.00	2.76	1.56	71.15	" "
8.62	22.00	26.85	4.50	5.31	12.00	11.53	5.35	42.34	" "
11.10	10.00	10.00	2.50	2.62	5.00	2.30	1.55	72.43	C.
9.76	20.00	20.79	3.50	4.85	12.00	12.86	8.56	43.18	As declared on sack
10.62	20.00	21.22	3.50	3.80	12.00	8.30	8.28	47.78	" "
10.99	16.00	16.40	3.50	4.19	13.00	6.49	8.86	53.07	D.
11.43	16.00	18.02	3.50	3.61	13.00	8.75	9.27	48.92	D.
7.33	20.00	20.27	4.00	6.11	9.00	4.77	11.06	50.46	" "
10.26	20.00	20.36	4.00	5.45	9.00	4.20	8.05	51.68	" "
8.35	18.00	17.99	4.00	5.50	8.50	4.89	6.50	56.77	" "
9.82	18.00	16.94	4.00	4.79	8.50	5.03	9.55	53.87	" "
9.61	7.00	9.39	1.00	4.88	16.00	5.96	3.36	66.80	" "
9.87	9.00	12.18	2.00	2.48	20.00	9.45	7.90	58.12	" "
10.12	15.00	15.71	4.00	4.55	5.00	4.02	6.24	59.36	" "
11.60	10.00	9.48	2.50	2.88	5.00	2.16	1.22	72.66	" "
11.04	10.00	9.83	2.50	2.43	5.00	1.96	1.72	73.02	" "
9.79	32.00	30.79	4.50	4.37	10.00	7.57	8.40	39.08	" "
9.97	32.00	30.25	4.50	4.77	10.00	7.50	5.56	41.95	" "
9.80	32.00	29.90	4.50	6.09	10.00	7.92	8.66	37.63	" "
10.73	24.00	25.35	3.50	3.96	12.00	8.15	7.74	44.07	" "

A—Fat guarantee on sack differs from license.
B—Ingredients on sack differ from license.
C—Unable to detect Buckwheat.
D—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
D. A. Stickell & Sons, Inc., Hagerstown, Md., (Cont.)	
Dairy Queen Sweet 20% Milk Maker	Baltimore
Zip Sweet 16% Dairy Feed	Baltimore
Zip Sweet 16% Dairy Feed	White Hall
‡Zip Sweet 16% Dairy Feed	Alesia
‡Blue Ridge Egg Mash	White Hall
‡Blue Ridge Egg Mash, with Cod Liver Oil	White Hall
Su-Pur Growing Mash	Baltimore
‡Zip Growing Mash	Rising Sun
Su-Pur Mash Starter	Rising Sun
Su-Pur All Mash Starter	Baltimore
Su-Pur All Mash Starter	Alesia
‡Su-Pur All Mash Starter	Hagerstown
Su-Pur Before and After Freshing Ration	Rising Sun
‡Su-Pur Before and After Freshing Ration	Baltimore
‡Victor Chick Feed	Laurel
Victor Scratch Grains	Baltimore
‡Victor Scratch Grains	Laurel
Victor Scratch Grains	Silver Spring
‡Su-Pur Pigeon Feed No Corn	Silver Spring
‡Su-Pur All Mash Turkey Starter	White Hall
Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	Cambridge
Struven's Fish Meal	Hagerstown
Struven's Fish Meal	Hagerstown
Suffolk Oil Mill, Inc., Suffolk, Va.	
Peanut Meal	Bel Air
Swift & Co., Chicago, Ill.	
Swift's Fifty-Five Meat Scraps	Princess Anne
Swift's Meat and Bone Scraps	Berlin
Swift's Meat and Bone Scraps	Germantown
Swift's Meat and Bone Scraps	Princess Anne
Swift's Meat and Bone Scraps	Federalsburg
Swift's Meat and Bone Scraps	Germantown
Swift's Laymore Meat and Bone Scraps	Federalsburg
Swift's Special Bone Meal	Baltimore
Swift's Dried Buttermilk	Westminster
Swift & Co., Oil Mill, Columbia, S. C.	
Choice Quality Cottonseed Meal	Gaithersburg
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig and Hog Feed	Taneytown
Thomas & Co., Frederick, Md.	
Excelsior Dairy Feed	Gaithersburg
Economy Dairy Feed	Union Bridge
"Makan-Eg" Egg Mash	Gaithersburg
"Gro-Quick" Growing Mash	Gaithersburg
"Solvita" Starting Mash	Gaithersburg

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.99	20.00	21.26	3.50	3.95	10.00	7.83	7.43	48.54	As declared on sack
10.63	16.00	18.30	3.00	3.47	12.00	9.82	8.64	49.14	" "
9.37	16.00	18.50	3.00	3.97	12.00	9.80	9.69	48.67	" "
11.75	16.00	18.16	3.00	3.27	12.00	9.39	9.05	48.38	" "
8.92	20.00	21.24	5.00	4.99	6.00	4.13	10.61	50.11	" "
7.58	20.00	21.94	5.00	7.09	6.00	5.56	10.27	47.56	" "
7.74	17.00	20.01	4.00	6.27	6.00	5.85	10.57	49.56	" "
8.25	15.00	17.43	4.00	6.12	6.00	5.71	8.63	53.86	" "
10.22	16.50	17.90	4.00	4.13	5.00	4.40	8.74	54.61	" "
9.43	16.50	17.81	4.00	5.13	5.00	3.78	7.28	56.57	" "
9.10	16.50	17.72	4.00	5.31	5.00	3.55	9.11	55.21	" "
9.17	16.50	18.87	4.00	4.76	5.00	3.79	9.30	54.11	" "
11.29	12.00	16.14	2.50	3.19	12.00	9.53	8.59	51.26	" "
9.70	12.00	14.69	2.50	2.68	12.00	10.39	9.14	53.40	" "
11.43	10.00	10.88	2.50	5.01	5.00	1.69	2.01	68.98	A.
10.96	10.00	10.18	2.50	2.83	5.00	2.51	1.36	72.16	As declared on sack
12.03	10.00	10.00	2.50	2.82	5.00	2.45	1.91	70.79	" "
10.15	10.00	10.35	2.50	2.65	5.00	2.13	1.67	73.05	" "
9.19	10.00	16.50	3.00	5.98	3.00	5.82	1.72	60.79	" "
8.50	22.00	23.78	4.00	4.99	6.00	5.38	10.95	46.40	" "
5.75	55.00	55.81	4.00	11.76	2.00	.63	22.85	3.20	" "
5.39	55.00	60.38	4.00	6.26	2.00	.95	23.22	3.80	" "
6.45	55.00	60.64	4.00	8.44	2.00	.82	21.10	2.55	" "
6.00	41.00	41.07	6.00	7.87	8.00	8.12	7.60	29.34	B.
5.16	55.00	54.61	6.00	10.97	3.00	3.33	25.77	.16	" "
6.43	50.00	49.67	6.00	9.34	3.00	2.04	32.33	.19	" "
6.46	50.00	51.25	6.00	10.68	3.00	1.87	29.00	.74	" "
6.14	50.00	49.93	6.00	11.08	3.00	2.37	29.95	.53	" "
6.11	50.00	49.43	6.00	10.24	3.00	2.61	29.80	1.81	" "
6.91	50.00	50.11	6.00	11.06	3.00	2.22	29.50	.20	" "
6.59	45.00	45.81	6.00	11.55	3.00	1.74	34.16	.15	" "
5.75	5.00	12.29	0.00	0.00	3.00	1.86	77.55	.....	" "
.....	30.00	31.94	5.00	x6.49	.....	.....	9.89	.....	" "
7.64	41.00	41.24	4.00	6.91	10.00	14.08	6.03	24.10	" "
8.62	18.00	19.48	4.50	5.33	6.75	5.87	10.33	50.37	" "
10.58	18.00	21.68	4.25	4.69	6.75	6.40	6.13	50.52	" "
8.46	24.00	25.45	5.00	5.20	9.00	7.02	6.58	47.29	C.
8.04	20.00	20.53	4.50	4.42	9.00	7.51	4.13	55.37	As declared on sack
8.84	20.00	20.71	5.00	4.95	9.00	6.77	9.32	49.41	" "
8.05	18.00	19.39	4.50	4.82	9.00	6.09	9.23	52.42	" "
8.53	18.00	19.31	4.50	4.43	5.00	4.74	8.73	54.26	C.

A—Also detected Split Green Peas.
B—Fibre guarantee on sack differs from license.
C—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Three Minute Cereals Co., The Corno Mills Co., Prop., Cedar	**Rapids, Iowa**
‡Red-3 Feeding Oatmeal	Baltimore
Thurmont Milling & Supply Association, Cooperation, Inc., Thu	**rmont, Md.**
Pure Wheat Bran	Thurmont
†Wheat Middlings, with M. R. S.	Thurmont
Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.	
*Arizona Brand Alfalfa Leaf Meal	Hampstead
*Arizona Brand Alfalfa Leaf Meal	Ellicott City
Tremaine Brand Alfalfa Meal	Ellicott City
Ubiko Milling Co., Cincinnati, Ohio	
‡*32% Sweet Union Grains Dairy Ration	Frederick
‡Ubiko Egg Mash	Walkersville
‡Ubiko Mash Balancer	Walkersville
‡Ubiko Calf Meal	Walkersville
‡Honey Comb Fitting Ration	Walkersville
‡Ubiko All-Mash Developer	Frederick
‡Ubiko All-Mash Starter	Frederick
‡Ubiko Turkey Starter and Grower	Walkersville
Unity Feed Inc., Boston, Mass.	
Paycheck Laying Mash	Princess Anne
Unity Complete Starter and Broiler Ration	Princess Anne
Urbana Mills Co., Urbana, Ohio	
‡Purity 32% Home Mix Dairy Ration	Kennedysville
*Urbana 24% Dairy Ration	Lineboro
Urbana 24% Dairy Ration	Chestertown
Urbana 20% Dairy Ration	Lineboro
Urbana 16% Dairy Ration	Lineboro
Purity Buttermilk Egg Mash	Lineboro
Urbana Egg Mash	Lineboro
Mixed Grains	Lineboro
Purity All Mash Chick Starter	Lineboro
Van Iderstine Co., Long Island City, N. Y.	
Vico High Protein Meat Scraps for Poultry	Keymar
Vico Quality Meat and Bone Scraps for Poultry	Detour
Vico Quality Meat and Bone Scraps for Poultry	Westminster
Vico Quality Meat and Bone Scraps for Poultry	Keymar
Van Vechten Milling Co., Inc., Rochester, N. Y.	
Irving Mills Rye Feed	Baltimore
Vienna Flour & Feed Mill, Vienna, Md.	
Wayne Local Mix Laying Mash Formula No. 1	Vienna
Wayne Local Mix Growing Mash	Vienna
Pure Wheat Bran	Vienna
Pure Wheat Middlings	Vienna
Pure Corn Meal	Vienna

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.
† Deficient in both Protein and Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.49	14.50	16.85	5.00	5.14	3.70	3.29	2.87	65.36	As declared on sack
8.92	14.00	14.92	4.00	4.68	13.00	9.68	7.64	54.16	B.
10.81	15.00	13.69	4.50	2.85	5.00	3.12	2.40	67.13	C.
6.31	20.00	19.74	2.50	1.51	18.00	21.10	12.00	39.35	As declared on sack
6.09	20.00	20.01	2.50	1.83	18.00	21.57	11.79	38.71	" "
6.45	16.00	17.11	2.00	2.10	25.00	26.90	9.65	37.79	" "
10.60	32.00	29.61	3.50	3.17	10.00	7.26	9.19	40.18	" "
7.57	20.00	21.94	4.00	4.17	6.00	6.04	15.54	44.74	" "
6.21	32.00	33.35	4.00	5.21	7.00	6.17	20.57	28.49	" "
8.03	28.00	28.52	3.00	3.46	3.00	2.82	6.45	50.72	" "
10.37	12.00	14.12	2.50	2.89	15.00	13.24	12.84	46.54	" "
8.24	14.00	16.32	4.00	4.92	5.00	4.62	8.54	57.36	" "
8.81	18.00	20.53	4.00	4.54	5.00	5.27	9.07	51.78	" "
7.61	25.00	26.50	4.00	4.86	5.00	5.43	10.87	44.73	" "
9.31	18.00	19.48	3.00	4.62	8.00	5.60	9.45	51.54	A.
8.97	17.00	17.81	3.50	5.12	5.00	4.43	8.90	54.77	As declared on sack
10.86	32.00	32.38	4.00	3.12	9.00	7.00	11.05	35.59	" "
9.06	24.00	25.10	3.50	2.02	12.00	9.13	10.13	44.56	" "
10.27	24.00	25.04	3.50	3.39	12.00	9.65	12.24	39.41	" "
10.12	20.00	20.86	3.50	4.36	12.00	12.04	10.54	42.08	" "
10.55	16.00	18.06	3.00	4.03	12.00	12.30	13.32	41.75	" "
7.93	20.00	19.92	4.50	5.77	5.00	5.89	12.42	48.07	" "
8.09	18.00	18.69	5.00	4.81	8.00	7.63	10.46	50.32	" "
10.69	9.00	11.14	2.50	2.92	4.00	2.16	1.97	71.12	" "
10.14	16.00	17.81	4.50	4.69	5.00	3.42	7.70	56.24	" "
5.46	55.00	54.23	5.00	10.48	3.00	3.38	24.46	1.99	" "
6.40	50.00	50.20	5.00	11.99	3.00	4.08	23.03	4.30	D.
5.06	50.00	51.25	5.00	11.09	3.00	3.26	27.27	2.07	As declared on sack
6.15	50.00	50.20	5.00	11.00	3.00	3.31	27.39	1.95	" "
9.04	13.00	16.99	2.00	3.40	10.00	4.94	1.14	64.49	" "
9.64	18.00	19.04	3.50	4.55	7.00	5.31	8.12	53.34	" "
9.97	16.00	17.07	4.00	4.96	6.00	5.05	6.15	56.80	" "
9.71	12.00	14.04	3.00	4.06	9.00	6.48	5.60	60.11	" "
11.65	12.00	13.60	3.00	3.56	5.00	2.54	2.98	65.67	" "
11.83	9.00	9.04	3.50	4.37	2.50	2.12	1.80	70.84	" "

B—Fibre guarantee on sack differs from license.
C—Protein; Fat and Fibre guarantee on sack differ from license.
A—Ingredients on sack differ from license.
D—Also detected a large amount of Hair and/or Wool.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Virginia-Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
Brewers' Grains	Chestertown
‡Brewers' Grains	Monrovia
Jos. E. Walter, Parkton, Md.	
Pure Wheat Bran	Parkton
Pure Wheat Middlings	Parkton
*Pure Corn and Oats Chop	Parkton
Thomas Ward Distilling Co., Cedarhurst, Md.	
*Distillers Dry Grain from Rye	Hampstead
Distillers Dry Grain from Rye	Baltimore
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Laying Mash	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Scratch Grains	Baltimore
Wessel Duval & Co., Inc., New York, N. Y.	
Prime Quality Cotton Seed Meal	Baltimore
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Pure Wheat Bran	Westover
*Pure Wheat Middlings	Westover
Perfection Scratch Feed	Westover
Wheatena Corp., Highspire Flour Mills Division, Highspire, Pa.	
Pure Wheat Middlings	Frederick
Wheat Gray Shorts, M. R. S.	Pocomoke City
Wheeler Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Glyco Growing Mash	Glyndon
*Glyco Starter	Glyndon
Wilber Feed Co., Inc., Jamestown, N. Y.	
Rye Distillers Dried Grains	Mt. Airy
M. Floyd Wiley, Detour, Md.	
Bran	Detour
Middlings	Detour
Wilkins-Rogers Milling Co., Inc., Washington, D. C.	
Grassy Mead 26% Dairy Feed	Rockville
Big Five Dairy Feed	Annapolis
Maryland University 1928 Contest Egg Mash Formula	Baltimore
Washington Egg Mash	Rockville
Washington Buttermilk Growing Mash	Upper Marlboro
Red Raven 85% Horse Feed	Baltimore
Red Raven 85% Horse Feed	Clinton
Washington Pure Wheat Bran	Baltimore
Washington Pure Wheat Bran	Annapolis

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.80	28.00	30.71	6.00	6.73	15.00	12.50	6.13	36.13	As declared on sack
9.25	28.00	31.15	6.00	7.14	15.00	12.18	3.96	36.32	" "
8.84	14.00	14.92	3.00	3.90	8.00	9.34	5.84	57.16	" "
9.72	14.00	16.67	4.00	4.89	6.00	4.91	4.45	59.36	" "
10.21	9.00	9.39	4.00	3.19	8.00	6.28	1.57	69.36	" "
7.32	20.00	19.31	6.50	4.41	14.90	12.60	2.97	53.39	" "
7.68	20.00	19.92	6.50	6.07	14.90	12.36	2.85	51.12	" "
8.84	20.13	21.59	4.85	5.41	8.25	9.19	9.38	45.59	" "
9.65	15.25	17.20	2.98	5.01	7.33	8.01	9.06	51.07	" "
12.00	10.00	10.35	3.00	2.62	5.00	2.74	2.17	70.12	" "
7.91	36.00	36.68	5.00	8.76	13.00	9.46	8.24	28.95	" "
8.65	19.00	20.62	4.00	5.18	7.00	7.58	10.47	47.50	" "
7.83	13.00	13.42	3.50	3.54	10.00	9.72	6.80	58.69	" "
8.85	13.00	13.25	3.50	2.76	5.00	3.87	2.94	68.33	" "
11.91	9.00	9.48	2.50	3.26	5.00	2.44	2.00	70.91	" "
8.80	13.00	14.65	2.00	2.57	4.00	2.37	2.25	69.36	" "
9.23	12.50	12.99	2.00	3.32	7.00	6.52	3.60	64.34	" "
7.70	20.00	22.38	4.50	4.26	7.00	9.29	8.19	48.18	A.
9.19	16.00	20.27	3.50	4.38	7.50	8.53	6.30	51.33	B.
7.54	18.50	21.94	5.50	4.77	7.00	6.87	6.72	52.16	A.
5.87	16.00	16.67	5.00	5.13	18.00	16.26	3.33	52.74	As declared on sack
9.71	15.00	15.62	3.00	3.49	9.00	9.95	6.92	54.31	" "
9.66	14.00	15.36	3.00	4.31	5.00	4.44	4.44	61.79	" "
7.76	26.00	27.20	5.00	5.54	9.00	8.62	8.40	42.48	" "
6.70	20.00	21.94	5.00	5.54	12.00	9.45	6.70	49.67	A.
7.12	20.00	19.92	5.00	5.57	7.00	6.52	8.30	52.57	As declared on sack
7.88	22.00	24.39	5.00	5.27	8.00	4.78	13.11	44.57	A.
8.35	17.00	17.55	5.00	5.14	6.00	4.24	8.13	56.59	As declared on sack
11.40	8.00	11.00	3.00	3.60	10.00	6.06	3.61	64.33	" "
11.00	8.00	10.27	3.00	3.52	10.00	6.93	3.09	65.19	" "
8.61	14.00	14.92	4.00	3.97	9.00	9.78	7.36	55.36	" "
7.61	14.00	14.65	4.00	4.40	9.00	9.03	5.60	58.71	" "

A—Ingredients on sack differ from license.
B—Also detected a Mineral Mixture or Poultry Regulator.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Wilkins-Rogers Milling Co., Inc., Washington, D. C., (Cont.)	
Washington Pure Wheat Middlings	Baltimore
Washington Pure Wheat Middlings	Annapolis
Washington Pure Wheat Middlings	La Plata
Washington All-Mash Starter, with BM. and Cod Liver Oil	Baltimore
Washington Baby Chick Mash	Upper Marlboro
Washington Baby Chick Grains	Upper Marlboro
Producer Scratch Feed	Baltimore
Producer Scratch Feed	Annapolis
Washington Scratch Feed	Upper Marlboro
York Roller Mills Co., York, Pa.	
Wheat Middlings M. R. S.	Taneytown
Allied Mills, Inc., Chicago, Ill.	
Wayne Dog Food	Salisbury
Arcady Farms Milling Co., Chicago, Ill.	
‡Wonder Cooked Dog Food	Mt. Airy
Austin Dog Bread and Animal Food Co., Chelsea, Mass.	
Austin's Dog Biscuit	Baltimore
Austin's Flakes	Baltimore
Austin's Puppy Biscuit	Baltimore
Austin's Special Cat Food	Baltimore
Baltimore Feed & Grain Co., Baltimore, Md.	
Steako Dog & Puppy Food	Baltimore
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Body Builder	Baltimore
Battle Creek Dog Food Co., Battle Creek, Mich.	
Miller's Ration	Baltimore
Miller's Quick Lunch	Baltimore
Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon Dog Pellets	Easton
Beacon Dog Pellets	Baltimore
‡Beacon Dog and Puppy Meal	Baltimore
California Animal Products Co., Oakland, Calif.	
*Calo Cat Food	Baltimore
*Calo Dog Food	Hagerstown
Chappel Bros., Inc., Rockford, Ill.	
Ken-L-Biskit	Baltimore
Kit-E-Ration	Baltimore
Ken-L-Ration	Oakland
Pup-E-Ration	Baltimore
Ken-L-Worth	Baltimore
Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood

* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.17	15.50	16.32	4.00	5.12	7.00	5.22	3.08	61.09	As declared on sack
9.49	15.50	16.67	4.00	4.84	7.00	5.27	4.78	58.95	" "
9.34	15.50	16.06	4.00	4.58	7.00	5.07	4.40	60.55	" "
7.02	18.00	19.83	4.50	5.94	5.50	5.00	8.47	53.75	" "
8.43	18.00	18.60	4.50	5.00	5.50	4.70	7.74	55.53	" "
9.99	10.00	11.67	2.50	3.50	3.00	2.56	2.81	69.47	" "
10.39	10.00	10.35	2.50	2.81	4.00	2.80	1.88	71.77	" "
10.16	10.00	10.88	2.50	2.72	4.00	2.70	1.86	71.68	" "
10.18	10.00	11.41	2.50	3.21	4.00	3.10	1.82	70.28	" "
9.87	14.50	15.45	4.00	3.56	5.10	5.70	3.64	61.78	" "
6.44	30.00	30.01	4.00	7.11	4.00	4.12	10.26	42.06	As declared on pkg.
8.18	20.00	25.27	5.00	4.65	5.00	3.04	12.26	46.60	A.
6.46	18.00	19.66	1.00	1.19	2.00	.90	7.00	64.79	As declared on pkg.
7.15	16.00	20.18	1.00	1.59	2.00	.95	3.94	66.19	E.
7.36	20.00	20.71	1.00	1.11	2.00	.72	4.55	65.55	E.
7.35	15.00	20.63	1.00	1.96	2.50	1.24	3.98	64.84	" "
8.96	30.00	36.15	6.00	6.19	6.00	5.05	10.94	32.71	As declared on pkg.
6.33	24.00	27.20	3.50	5.14	4.50	3.81	10.10	47.42	" "
5.67	15.00	18.34	1.30	2.85	1.30	3.91	8.36	60.87	" "
72.58	10.00	11.13	2.50	3.33	.50	.65	3.28	9.03	C.
6.00	24.00	25.97	4.00	4.41	5.00	3.23	11.43	48.96	" "
7.45	24.00	25.64	4.00	4.91	5.00	3.54	11.50	46.96	" "
6.80	24.00	25.47	3.00	5.15	5.00	3.43	12.96	46.19	" "
72.74	10.00	5.70	2.25	4.12	.50	.58	1.66	15.20	D.
76.13	10.00	7.36	2.25	3.88	.50	.73	.88	11.02	As declared on pkg.
6.93	20.00	21.76	2.00	2.37	2.00	1.61	5.41	61.92	E.
70.57	10.00	14.21	1.00	2.70	2.00	1.04	3.70	7.78	C.
62.24	10.00	12.63	2.00	4.72	2.00	.74	4.82	14.85	As declared on pkg.
72.48	10.00	11.05	2.00	2.18	2.00	1.21	1.57	11.51	" "
8.91	20.00	22.29	2.00	3.24	2.00	2.03	5.47	58.06	" "
7.96	25.00	25.45	4.00	5.17	4.00	4.50	14.12	42.80	" "

A—Protein; Fat and Fibre guarantee and Ingredients on package differ from license.
D—Protein guarantee on package differ from license.
C—Fat guarantee on package differs from license.
E—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dietrich & Gambrill, Inc., Frederick, Md.	
Mighty Good Dog Food	Baltimore
John W. Eshelman & Sons, Lancaster, Pa.	
Eshelman Red Rose Dog Food	Baltimore
Foster Canning Co., Inc., Brooklyn, N. Y.	
*Dr. Olding Brand Pet Ration	Baltimore
Dr. Olding Brand Pet Ration	Hagerstown
Gaines Food Co., Sherburne, N. Y.	
Gaines Meat and Milk Meal Cooked	Hagerstown
Gaines Krunchow Meat and Milk Meal	Baltimore
Hales & Hunter Co., Chicago, Ill.	
Lucky Dog Pellets	Annapolis
Jem Animal Food Corp., Brooklyn, N. Y.	
‡Bal O Ration	Baltimore
Justrite Co., Milwaukee, Wis.	
Justrite Dog Biscuit	Baltimore
Justrite Kibbled Biscuit	Baltimore
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Dog Food (Cubed)	Oakland
Kennel Food Supply Co., Fairfield, Conn.	
KFS Canned Food	Baltimore
Cod Liver Oil and Vegetable Meat Biscuit	Baltimore
Plain Broken Biscuits	Elkton
Terrier Food	Baltimore
Lauderdal Kennels, Owings Mills, Md.	
Lauderdale Perfect Dog Feed	Owings Mills
Maritime Milling Co., Inc., Buffalo, N. Y.	
Hunt Club Dog Food	Baltimore
George C. Melody, Greensburg, Pa.	
*Dr. Melody's Dog Food	Oakland
‡†Dr. Melody's Dog and Cat Food	Frostburg
Modern Food Process Co., Philadelphia, Pa.	
"Thrivo"	Baltimore
John Morrel & Co., Ottumwa, Iowa	
Red Heart Dog Food Diet A	Hagerstown
Red Heart Dog Food Diet B	Hagerstown
Red Heart Dog Food Diet C	Hagerstown

† Deficient in both Protein or Fat.
* Deficient in Protein or Fat.
‡ Not Licensed at time of Sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.00	18.00	**20.24**	4.00	**4.63**	3.00	**2.49**	9.96	54.68	As declared on sack
8.66	19.00	**22.90**	5.00	**5.63**	5.00	**4.07**	9.50	49.24	" "
74.01	9.00	**11.27**	3.00	**1.94**	.50	**1.00**	1.51	10.27	" "
70.95	9.00	**10.33**	3.00	**6.15**	.50	**.40**	.95	11.22	" "
6.07	23.00	**25.89**	3.00	**4.54**	4.00	**3.02**	13.70	46.78	" "
7.21	23.00	**25.62**	3.00	**4.89**	4.00	**3.63**	12.60	46.05	" "
9.15	25.00	**26.15**	5.00	**5.94**	6.00	**4.27**	7.24	47.25	" "
6.12	21.00	**25.01**	2.50	**3.12**	1.75	**2.15**	13.63	49.97	" "
7.52	20.28	**21.15**	.87	**1.03**	1.23	**1.22**	14.34	54.74	" "
7.52	19.50	**19.48**	.97	**.96**	2.65	**.85**	13.73	57.46	" "
8.87	20.00	**23.87**	3.15	**6.56**	5.00	**3.78**	9.00	47.92	" "
70.09	7.50	**11.65**	5.50	**9.37**	.45	**.33**	1.77	6.79	" "
6.50	21.00	**21.15**	2.00	**4.62**	3.00	**2.19**	5.45	60.09	" "
7.92	16.00	**17.11**	1.00	**1.62**	3.00	**3.13**	6.13	64.09	" "
6.77	18.00	**20.71**	.90	**2.22**	3.00	**1.33**	5.30	63.67	A.
7.67	28.00	**31.77**	6.00	**6.86**	7.00	**4.36**	5.77	43.57	As declared on pkg.
6.23	25.00	**26.50**	3.50	**4.75**	4.00	**4.12**	7.19	51.21	" "
77.34	7.29	**6.51**	2.30	**.68**	.87	**.57**	1.24	13.66	B.
75.36	9.09	**5.41**	3.71	**1.25**	.71	**.41**	4.77	12.80	As declared on pkg.
68.93	10.00	**12.67**	3.00	**3.80**	3.00	**1.68**	2.88	10.04	" "
72.91	12.00	**13.39**	3.00	**5.54**	1.00	**.56**	2.02	5.58	As declared on pkg.
72.90	12.00	**13.68**	3.00	**5.91**	1.00	**.62**	2.46	4.43	C.
74.00	12.00	**12.46**	3.00	**5.30**	1.00	**.51**	2.24	5.49	As declared on pkg.

A—Fat and Fibre guarantee on package differ from license.
B—Protein; Fat and Fibre guarantee on package differ from license.
C—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	Moisture
National Biscuit Co., New York, N. Y.		
Bennett's Milk-Bone Dog Food	Baltimore	7.8
Milk-Bone Crumbs	Baltimore	7.5
Bennett's Milk-Bone Puppy Food	Baltimore	7.9
Junior Milk-Bone	Baltimore	7.0
Nowak Milling Corp., Hammond, Ind.		
‡Domino Dog Food	Harmony Grove	68.8
Domino Dog-ets	Baltimore	7.5
Old Trusty Dog Food Co., Needham Heights, Mass.		
*Bone Shaped Biscuit	Baltimore	7.6
*All Terrier Food	Baltimore	8.1
Bovex	Baltimore	69.5
Puppy Meal	Baltimore	8.8
Tit Bits	Baltimore	8.7
Pet-Mil Food Co., Inc., Clayton, N. J.		
Pet-Mil (Dog Feed)	Baltimore	7.3
Polk Miller Products Corp., Richmond, Va.		
Sergeant's Dog Food	Baltimore	7.7
Pratt Food Co., Hammond, Ind.		
‡Pratts Dog Food (Cubed)	Ellicott City	7.8
Proto Inc., Philadelphia, Pa.		
Proto Dog-Food	Baltimore	7.6
Ralston Purina Co., St. Louis, Mo.		
Purina Dog Chow	Baltimore	9.0
Rival Packing Co., Chicago, Ill.		
Rival Dog Food	Baltimore	74.1
Sandy's Pet Foods, Inc., Chicago, Ill.		
Sandy's Dog Food	Hagerstown	70.0
Schlesser Brothers, Portland, Oregon		
"Man-Kind" Dog Food	Hagerstown	73.3
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.		
‡Bal-Mar Dog Food	Laurel	71.2
Simpson Products Co., Terre Haute, Ind.		
*Doggie Dinner	Oakland	72.08
Spratt's Patent (AM) Limited, Newark, N. J.		
Spratt's Dog Cakes	Baltimore	7.10
Spratt's Fibo	Baltimore	7.38
Spratt's Ovals	Baltimore	7.13

‡ Not Licensed at time of Sale.
* Deficient in Protein or Fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.86	17.00	17.99	1.00	.96	2.50	1.06	11.36	60.77	As declared on pkg.
7.51	17.00	18.78	1.00	1.16	2.50	1.26	3.17	68.12	" "
7.93	17.00	18.52	1.00	1.13	2.50	1.18	3.44	67.80	" "
7.08	17.00	17.90	1.00	1.39	2.50	1.08	4.02	68.52	" "
68.83	10.50	12.94	2.50	3.56	.50	.63	7.99	6.05	" "
7.58	21.00	28.43	4.00	6.16	3.00	2.68	7.64	47.51	" "
7.66	22.85	22.88	2.70	1.35	.55	1.04	7.29	59.78	" "
8.17	18.82	20.88	1.41	.82	.54	1.17	3.84	65.12	" "
69.58	10.00	11.50	2.00	5.38	2.00	.59	1.38	11.57	" "
8.89	18.82	21.59	1.41	1.01	.54	.77	4.50	63.24	" "
8.73	18.82	21.06	1.41	.94	.54	.82	3.35	65.10	" "
7.33	25.00	26.50	4.00	4.31	3.00	4.80	12.54	44.52	" "
7.71	21.44	24.38	2.74	2.62	1.50	1.12	9.58	54.59	" "
7.85	20.00	24.04	3.00	6.81	5.00	3.66	9.31	48.33	" "
7.60	25.00	26.32	5.00	6.29	3.00	2.67	14.48	42.64	A.
9.08	20.00	22.82	3.00	7.88	6.00	6.17	7.59	46.46	As declared on pkg.
74.11	10.00	11.00	3.00	3.66	.50	.38	6.12	4.73	" "
70.06	10.50	12.00	3.50	5.53	1.00	.68	1.52	10.21	" "
73.30	11.00	10.50	2.50	4.93	.75	.70	1.03	9.54	" "
71.23	11.00	11.90	3.00	4.18	1.00	.65	4.39	7.65	" "
72.08	8.30	9.21	2.90	2.00	.26	.66	1.68	14.37	" "
7.10	19.00	20.62	1.25	2.88	2.00	.79	4.57	64.04	" "
7.38	19.00	23.25	1.25	2.61	2.00	1.10	5.26	60.40	" "
7.13	19.00	21.94	1.25	2.54	2.00	.97	3.64	63.78	" "

A—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Dog Food	Centreville
Swift & Co., Chicago, Ill.	
Pard Dog Food	Baltimore
Thoro Bread Co., Cincinnati, Ohio	
Thoro Bread Dog and Puppy Food	Cumberland
Vaughan Packing Co., Kansas City, Kansas	
Silver King Dog and Cat Food	Hagerstown
Warner Sales Co., Brooklyn, N. Y.	
‡Warner's Complete Dog Food	Baltimore

‡ Not Licensed at time of Sale.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
East Coast Trading Co., Baltimore, Md.	
Oberco Soluble Minerals	Keymar
Ryde & Co., Chicago, Ill.	
‡Ryde's Organic Minerals	Frederick

‡ Not Licensed at time of Sale.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
7.26	20.00	28.43	2.50	3.63	5.00	2.95	9.64	48.09	As declared on pkg.
72.20	10.50	11.52	2.50	3.54	.50	.60	2.97	9.17	" "
9.27	17.50	18.34	3.25	5.33	3.20	4.00	6.40	56.66	" "
76.15	8.43	8.91	1.99	2.22	.30	.45	1.30	10.97	A.
8.02	23.00	22.46	3.00	5.23	2.50	2.67	13.70	47.92	As declared on pkg.

A—Ingredients on sack differ from license.

Calcium Oxide CaO Guaranteed	Calcium Oxide CaO FOUND	Phosphorus P_2O_5 Guaranteed	Phosphorus P_2O_5 FOUND	Salt Guaranteed	Salt FOUND	Potash Guaranteed	Potash FOUND
30.00	38.15	20.00	27.40	.....	.....	.....	.....
30.00	40.40	6.00	7.10	10.00	10.72	4.00	4.21

ASSAY OF VITAMIN D SUPPLEMENTS SOLD IN MARYLAND
(Spring, 1935)

The accompanying table contains the results obtained in a recently completed assay of samples of sixteen products sold in Maryland as vitamin D supplements. These samples were secured by Inspectors of this Department during January and February, 1935. Each brand tested carried a specific guarantee of vitamin D potency as measured by the Association of Official Agricultural Chemists' method of assay for anti-rachitic materials. This potency is listed in the table under the heading "Guaranteed Percentage." Each product was assayed at the guaranteed percentage, and the results are shown in the column headed "Results of Tests." In this report we are continuing to express the results of the tests as "Satisfactory" when the guarantee is sustained, and "Unsatisfactory," when the assay shows the product to be less potent than guaranteed.

It is to be emphasized that the guaranteed percentages are not to be construed as feeding recommendations. For practical feeding purposes the recommendations of the manufacturer should be followed.

In order to derive the maximum benefits from the results of control assays, it is advisable to consider as great a number of tests as are available. The results of previous tests conducted by this Department will be of service in this connection, copies of which may be obtained upon request.

Manufacturer and Brand	Guaranteed Percentage	Result of Test
F. E. Booth Company, Inc., San Francisco, California		
Crescent Brand SarDilene	¼%	Satisfactory
California Packing Corporation, San Francisco, California		
Biotol (Sardine Oil)	⅜%	Satisfactory
G. E. Conkey Company, Cleveland, Ohio		
Conkey's Y-O	2½%	Satisfactory
***Consumers Import Company, New York City, New York**		
CICO Cod Liver Oil	½%	Satisfactory
Ezl. Dunwoody Company, Philadelphia, Pennsylvania		
Dunwoody Super X Cod Liver Oil	½%	Satisfactory
Dunwoody Super XX Medicinal Cod Liver Oil—U.S.P.	½%	Satisfactory
The Fox Company, Newfield, New Jersey		
Fox Special Cod Liver Oil	½%	Satisfactory
Health Products Corporation, Newark, New Jersey		
CLO-TRATE Concentrated Cod Liver Oil	⅛%	Satisfactory
Chas. L. Huisking & Company, Inc., New York City, N. Y.		
Vitamine Brand Cod Liver Oil, U. S. P.	¼%	Unsatisfactory
***King Brothers & Company, Philadelphia, Pennsylvania**		
King's Xtra Cod Liver Oil	½%	Satisfactory
McKesson & Robbins, Bridgeport, Connecticut		
Isdahl's Norwegian Cod Liver Oil	½%	Satisfactory
National Oil Products Company, Harrison, New Jersey		
Nopoco XX Vitamin Concentrate added to Pure Cod Liver Oil	1/16%	Satisfactory
Nopco DD Cod Liver Oil	¼%	Satisfactory
Pratt Food Company, Hammond, Indiana		
Pratt's Cod Liver Oil	½%	Satisfactory
Silmo Chemical Company, Vineland, New Jersey		
Poultry D Cod Liver Oil	1%	Satisfactory
Silmo XX Cod Liver Oil	⅛%	Satisfactory

* Not Licensed at time of Sale.

LIME ANALYSES

A detailed report of the results obtained in the inspection and analysis of agricultural liming materials from January 1, 1935 to July 1, 1935 is contained in pages 118 to 121, inclusive. Limes are considered seriously deficient with respect to chemical analysis when they are 1 per cent or more deficient in total oxides.

ANALYSIS OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Oxide CaO		Magnesium Oxide MgO		Sand & Insol. (No Val.)	Total Oxides CaO—MgO
				Guaranteed	Found	Guaranteed	Found	Found	
*3333	J. E. Baker Co., York, Pa.	Ground Burnt Lime	Centreville	85.00	81.90	3.00	2.89	.80	84.79
3299	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Agricultural Lump Line	Woodsboro	85.00	97.35	5.00	1.37	.34	98.72
3301	S. W. Barrick & Sons, Inc., Woodsboro, Md.	High Grade Agric. Lime	Woodsboro	75.00	78.05	5.00	3.79	5.67	81.84
3338	Harry T. Campbell Sons' Co., Towson, Md.	Lump Lime	Texas	54.00	61.10	28.00	31.09	3.29	92.19
3334	Harry T. Campbell Sons' Co., Towson, Md.	Ground Burned Lime	Texas	54.00	58.15	28.00	28.44	4.86	86.59
3314	Harry T. Campbell Sons' Co., Towson, Md.	Ground Burned Lime	Texas	54.00	55.00	28.00	29.70	6.10	84.70
3278	Cavetown Planing Mill Co., Cavetown, Md.	Lump Lime	Cavetown	80.00	70.20	2.00	27.97	.77	98.17
3279	Cavetown Planing Mill Co., Cavetown, Md.	Ground Lime	Cavetown	80.00	70.35	2.00	16.05	5.03	86.40
3312	Chemical Lime Co., Inc., Bellefonte, Pa.	"Clover Brand The Famous" "Kno Kore" Agric. Lime	Bel Air	70.00	72.35	.75	1.27	.30	73.62
*3282	Chester Valley Lime Co., West Chester, Pa.	Ground Burned Lime	Salisbury	56.00	52.10	37.00	35.04	2.02	87.14
3276	C. L. Forsythe, Hagerstown, Md.	Lump Lime	Cearfoss	85.00	85.70	1.50	2.02	4.84	87.72
3298	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick Co. Agricultural Lime	Frederick	86.00	88.40	4.00	9.66	.34	98.06
3248	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick Co. Agricultural Lime	Frederick	86.00	74.35	4.00	22.70	.32	97.05
3294	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Famous Frederick Co. Ground Lime	Lime Kiln	75.00	77.15	5.00	5.83	6.49	82.98
3304	Shank & Etzler Lime Co., Frederick, Md.	Agricultural Lump Lime	Frederick	60.00	75.80	30.00	23.59	.34	99.39
3296	Shank & Etzler Lime Co., Frederick, Md.	Ground Burned Lime	Frederick	55.00	52.60	25.00	28.69	6.98	81.29
3280	Stoner & Powell, Woodsboro, Md.	Old Reliable Fountain Rock Lump Lime	Fountain Rk.	85.00	94.45	2.00	1.66	.69	96.11
*3295	Stoner & Powell, Woodsboro, Md.	Old Reliable Fountain Rock Ground Lime	Fountain Rk.	75.00	68.55	5.00	8.31	8.90	76.86

ANALYSIS OF AGRICULTURAL HYDRATED LIME

3339	J. E. Baker Co., York, Pa.	Susquehanna Hydrated Lime	Queen Anne	66.00	67.50	6.00	6.67	.24	74.17
*3311	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime	Bel Air	60.00	56.60	5.00	4.91	7.94	61.51
3300	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime	Woodsboro	60.00	68.70	5.00	3.16	3.18	71.86
3251	S. W. Barrick & Sons, Inc., Woodsboro, Md.	Hydrated Lime	Woodsboro	60.00	59.85	5.00	4.82	6.64	64.67

* Product Deficient in Total Oxides.

ANALYSIS OF AGRICULTURAL HYDRATED LIME—(Continued)

				Calcium Oxide		Magnesium		Sand & Insol.	

*3311	S. W. Barrick & Sons, Inc., Woodsboro, Md...	Hydrated Lime	Bel Air	60.00	68.70	5.00	3.16	3.18	71.86
3300	S. W. Barrick & Sons, Inc., Woodsboro, Md...	Hydrated Lime	Woodsboro	60.00	68.70	5.00	3.16	3.18	71.86
3251	S. W. Barrick & Sons, Inc., Woodsboro, Md...	Hydrated Lime	Woodsboro	60.00	59.85	5.00	4.82	6.64	64.67

* Product Deficient in Total Oxides.

ANALYSIS OF AGRICULTURAL HYDRATED LIME—(Continued)

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Oxide CaO		Magnesium Oxide MgO		Sand & Insol. (No Val.)	Total Oxides CaO—MgO
				Guaranteed	Found	Guaranteed	Found	Found	
3342	Blair Limestone Co., Martinsburg, W. Va....	Opequon Hydrated Lime	Salisbury	67.00	67.35	2.00	2.06	3.12	69.41
3323	Blair Limestone Co., Martinsburg, W. Va. ..	Opequon Hydrated Lime	Friendsville	67.00	63.85	2.00	4.21	4.52	68.06
3283	Chester Valley Lime Co., West Chester, Pa...	Hydrated Lime	Salisbury	46.50	67.50	31.00	10.37	.63	77.87
3285	G. & W. H. Corson, Inc., Plymouth Meeting, Pa.	Hydrated Lime	Salisbury	46.50	51.10	31.00	31.85	.77	82.95
3315	M. J. Grove Lime Co., Inc., Lime Kiln, Md...	Famous Frederick Co. Hydrated Lime	Bel Air	65.00	64.35	5.00	6.41	2.53	70.76
3297	M. J. Grove Lime Co., Inc., Lime Kiln, Md. ..	Famous Frederick Co. Hydrated Lime	Frederick	65.00	67.05	5.00	5.02	2.57	72.07
3264	M. J. Grove Lime Co., Inc., Lime Kiln, Md...	Famous Frederick Co. Hydrated Lime	Loch Raven	65.00	71.80	5.00	1.20	.32	73.00
3249	M. J. Grove Lime Co., Inc., Lime Kiln, Md...	Famous Frederick Co. Hydrated Lime	Frederick	65.00	66.10	5.00	6.02	1.57	72.12
3337	A. H. Hoffman, Inc., Landisville, Pa.	Hydrated Lime	Baltimore	70.00	70.50	1.50	2.21	.25	72.71
3331	Keller Lime Co., Inc., Buckeystown, Md.	Hydrated Lime	Buckeystown	66.00	70.60	1.50	1.53	1.72	72.13
3324	Keystone Lime Co., Springs, Pa.	Alfalfa Brand Lime		70.00	71.60	3.00	3.98	8.45	75.58
3250	Legore Lime Co., Legore, Md.	Hydrated Lime	LeGore	65.00	67.20	5.00	5.32	2.35	72.52
3309	H. E. Millard, Annville, Pa.	Sweet-Arrow Hydrated Lime	Chestertown	70.00	70.85	1.50	2.16	.44	73.01
3325	North American Cement Corp., Balto., Md...	Berkeley Hydrated Lime	Ellicott City	70.00	71.85	2.00	1.88	.25	73.73
3321	North American Cement Corp., Balto., Md...	Berkeley Hydrated Lime	Cumberland	70.00	71.35	2.00	2.23	.17	73.58
3320	North American Cement Corp., Balto., Md...	Berkeley Hydrated Lime	Hancock	70.00	71.35	2.00	2.05	.31	73.40
3303	Shank & Etzler Lime Co., Frederick, Md.	Hydrated Lime	Frederick	45.00	47.30	20.00	30.13	6.37	77.43
3302	Steacy & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Taneytown	67.00	72.20	5.00	2.99	.55	75.19
3350	Steacy & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Colora	67.00	70.65	5.00	2.63	.63	73.28
3316	Steacy & Wilton Co., Wrightsville, Pa.	"Sterling" Brand Hydrated Lime	Fallston	67.00	72.10	5.00	2.68	.67	74.78
3281	Stoner & Powell, Woodsboro, Md.	Old Reliable Fountain Rock Hydrated Lime	Woodsboro	60.00	61.30	5.00	8.83	4.31	70.13
3317	Universal Gypsum & Lime Co., Chicago, Ill...	Palmer Hydrated Lime	Bel Air	70.00	71.65	2.00	2.09	.40	73.74
3343	Warner Co., Philadelphia, Pa.	"Limoid" Hydrated Lime	Snow Hill	46.50	48.55	31.00	33.74	1.16	82.29

ANALYSIS OF AGRICULTURAL HYDRATED LIME

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Oxide CaO		Magnesium Oxide MgO		Sand & Insol. (No Val.)	Total Oxides CaO—MgO
				Guaranteed	Found	Guaranteed	Found	Found	
3287	Warner Co., Philadelphia, Pa.	"Limoid" Hydrated Lime	Preston	46.50	47.75	31.00	33.59	1.40	81.34
3286	Warner Co., Philadelphia, Pa.	Knickerbocker Hydrated Lime	Cambridge	46.50	48.40	31.00	33.24	.61	81.64
3307	Washington Building Lime Co., Balto., Md.	Hydrated Lime	Annapolis	46.50	47.75	31.00	32.98	1.01	80.73
3327	Washington Building Lime Co., Balto., Md.	Farmers Favorite Land Hydrated Lime	Dickerson	64.00	72.50	1.00	1.13	.72	73.63
3319	Washington Building Lime Co., Balto., Md.	Farmers Favorite Land Hydrated Lime	Fallston	64.00	72.45	1.00	1.10	.77	73.55
3274	Washington Building Lime Co., Balto., Md.	Standard Agricultural Hydrated Lime	Wash. Grove	71.00	73.75	1.00	1.02	.47	74.77
3265	Washington Building Lime Co., Balto., Md.	Standard Agricultural Hydrated Lime	Baltimore	71.00	73.30	1.00	1.33	.55	74.63

ANALYSIS OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

3340	American Stores Co., Philadelphia, Pa.	Hurlock Brand Shell Lime	Hurlock	52.00	52.40	.40	.51	2.24	52.91
3341	J. E. Baker Co., York, Pa.	†Snow Flake Ground Limestone	Greensboro	48.00	53.60	1.00	2.12	.50	55.72
3245	F. & H. Benning Oyster & Lime Co., Galesville, Md.	†Oyster Shell Lime	Galesville	49.00	49.70	.50	.90	7.05	50.60
3273	Herbert Bryant Inc., Alexandria, Va.	†Pulverized Oyster Shell Lime	Wash. Grove	45.00	46.55		.92	11.71	47.47
3348	Harry T. Campbell Sons' Co., Towson, Md.	†Pulverized Limestone	Texas	30.00	30.55	14.00	16.18	13.34	46.73
3313	Harry T. Campbell Sons' Co., Towson, Md.	†Pulverized Limestone	Texas	30.00	31.15	14.00	16.67	11.13	47.82
3306	Carbonate of Lime Corp., New York, N. Y.	†Verplanck Pulverized Limestone	Centreville	26.56	27.30	13.52	17.42	15.60	44.72
3247	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	†Pulverized Limestone	Frederick	50.00	54.20		.99	1.34	55.19
3284	H. E. Millard, Annville, Pa.	†Air-Floated Pulverized Limestone	Salisbury	54.40	52.70	.48	1.66	3.96	54.36
3326	Potomac Poultry Food Co., Inc., Balto., Md.	†Potolime Oyster Shell Lime	Sykesville	46.00	48.00	.50	.88	7.12	48.88
3305	Potomac Poultry Food Co., Inc., Balto., Md.	†Potolime Oyster Shell Lime	Crisfield	46.00	45.15	.50	.95	15.85	46.10
3263	Standard Lime & Stone Co., Baltimore, Md.	†Washington Magnesium Pulverized Limestone	Baltimore	30.00	30.63	20.00	21.62	1.63	52.25
3349	Steacy & Wilton Co., Wrightsville, Pa.	†Pulverized Limestone	Colora	50.00	52.10	2.00	2.97	1.94	55.07
3318	Universal Gypsum & Lime Co., Chicago, Ill.	†Challenge Pulverized Limestone	Cardiff	51.00	54.45	3.00	1.70	.60	56.15

ANALYSIS OF GYPSUM OF LAND PLASTER

				Calcium Sulphate		Sand and
				Guaranteed	Found	

3263	Standard Lime & Stone Co., Baltimore, Md.	†Washington Magnesium Pulverized Limestone	Baltimore	30.00	30.63	20.00	21.62	1.63	52.25
3349	Steacy & Wilton Co., Wrightsville, Pa.	†Pulverized Limestone	Colora	50.00	52.10	2.00	2.97	1.94	55.07
3318	Universal Gypsum & Lime Co., Chicago, Ill.	†Challenge Pulverized Limestone	Cardiff	51.00	54.45	3.00	1.70	.60	56.15

ANALYSIS OF GYPSUM OF LAND PLASTER

No.	Name of Manufacturer	Name of Lime	Place of Sampling	Calcium Sulphate		Sand and Insol. (no value)
				Guaranteed	Found	Found
3241	American Agricultural Chemical Co., Baltimore, Md.	Fine Ground Nova Scotia Land Plaster	Baltimore	77.70	73.39	2.03
3308	United States Gypsum Co., Chicago, Ill.	Ben Franklin Agric. Gypsum	Annapolis	64.50	72.11	1.23

TABLE II—SHOWING MECHANICAL ANALYSIS OF GROUND LIMESTONE AND GROUND OYSTER SHELLS

For the Chemical Analyses of these samples, see preceding table. Figures are percentages or pounds per hundred. "Mesh" indicates the sieve used: "20 Mesh" has 20 wires to the inch.

No.	Name of Manufacturer	Name of Lime or Kind	Finer than 100 Mesh	Between 80 & 100 Mesh	Between 60 & 80 Mesh	Between 40 & 60 Mesh	Between 20 & 40 Mesh	Coarser than 20 Mesh
3341	J. E. Baker Co., York, Pa.	Snow Flake Ground Limestone	100.	0.	0.	0.	0.	0.
3245	F. & H. Benning Oyster & Lime Co. Galesville, Md.	Oyster Shell Lime	44.	11.	3.	12.	23.	7.
3273	Herbert Bryant Inc., Alexandria, Va.	Pulverized Oyster Shell Lime	34.	7.	3.	14.	32.	10.
3348	Harry T. Campbell Sons' Co., Towson, Md.	Pulverized Limestone	80.	16.	2.	1.	1.	0.
3313	Harry T. Campbell Sons' Co., Towson, Md.	Pulverized Limestone	51.	18.	7.	16.	8.	0.
3306	Carbonate of Lime Corp., New York, N. Y.	Verplanck Pulverized Limestone	99.	1.	0.	0.	0.	0.
3247	M. J. Grove Lime Co., Inc., Lime Kiln, Md.	Pulverized Limestone	95.50	4.	.50	0.	0.	0.
3284	H. E. Millard, Annville, Pa.	Air-Floated Pulverized Limestone	100.	0.	0.	0.	0.	0.
3326	Potomac Poultry Food Co., Inc., Baltimore, Md.	Potolime Oyster Shell Lime	55.	6.	1.	7.	20.	11.
3305	Potomac Poultry Food Co., Inc., Baltimore, Md.	Potolime Oyster Shell Lime	27.	8.	4.	16.	32.	13.
3263	Standard Lime & Stone Co., Baltimore, Md.	Washington Magnesium Pulverized Limestone	59.50	9.	4.	13.	14.	.50
3349	Steacy & Wilton Co., Wrightsville, Pa.	Pulverized Limestone	100.	0.	0.	0.	0.	0.
3318	Universal Gypsum & Lime Co., Chicago, Ill.	Challenge Pulverized Limestone	100.	0.	0.	0.	0.	0.